

最新航海英语题库 3300

A[800]A long splice in a line _____.

- A. is used in running rigging
- B. doubles the size of the line
- C. is only used on fiber rope
- D. is very weak

KEY: A

[802]The Vessel is _____ with CO₂ system in all cargo compartments and suitable for the carriage of a full cargo of cotton.

- A. fitted
- B. contained
- C. held
- D. made

KEY: b船舶的所有货舱装备有CO₂系统并适合于装载全部的棉制货物。

[805]Before entering an ice area, the ship should be _____.

- A. either trimmed by the head or the stern
- B. on an even keel
- C. trimmed down by the head
- D. trimmed down by the stern

KEY: D进入冰区前，船舶应调整为尾倾。

[806] Keeping the draft at or below the load line mark will insure that the vessel has adequate ____

- A. ballast
- B. reserve buoyancy
- C. displacement
- D. rolling periods

KEY: B保持吃水在或在载重线以下将确保船舶具有适当的保留浮力。

[807]During the day, a vessel with a tow over 200 meters in length will show _____.

- A. a black ball
- B. a diamond shape

- C. two cones, apexes together
- D. one cone, apex upward

KEY: B

[808]The single letter G, sent by an icebreaker to an assisted vessel, means _____.

- A. I require a pilot
- B. Longitude follows
- C. I am going ahead; follow me
- D. Do not follow me

KEY: C由破冰船发给被协助船的单字母G表示不要跟我。

[809]The sprocket wheel in a windlass, used for heaving in the anchor, is called a _____.

- A. capstan
- B. dog wheel
- C. fairlead
- D. wildcat

KEY: D

[811]Navigational warnings are published according to _____.

- A. the designed area
- B. the designated area
- C. the indicated area
- D. all area over the world

KEY: B

[812]The compass deviation changes as the vessel changes _____.

- A. geographical position
- B. speed
- C. heading
- D. longitude

KEY: C

[815] A "figure eight" knot is used to _____.

- A. be a stopper
- B. shorten a line
- C. join lines of equal size
- D. keep a line from passing through a sheave

KEY: D八字结通常用于一条绳穿过滑车。

[816]Any vessel shall, if the circumstances of the case admit, avoid _____ in a narrow channel.同原题库0382

- A. anchor
- B. to anchor
- C. anchoring
- D. to anchoring

KEY: C任何船舶, 如当时环境许可, 都应避免在狭水道内锚泊。

[818]Anticyclones are usually characterized by _____.

- A. dry, fair weather
- B. high winds and cloudiness
- C. gustiness and continuous precipitation
- D. overcast skies

KEY: A

[820]Buoys which mark isolated dangers are painted with alternating _____.

- A. red and black bands
- B. green and black bands
- C. red and white stripes
- D. green and white bands

KEY: A

[821]A deadhead is a(n) _____.

- A. tree or log awash in a nearly vertical position
- B. crew member who refuses to work
- C. upstream end of a land wall
- D. buoy that is adrift

KEY: A

[824]A towing light is a yellow light having the same characteristics as a (n)_____.

- A. special flashing light
- B. anchor light
- C. sternlight
- D. masthead light

KEY: C拖带灯是具有与尾灯相同性质的黄灯。

[826]A nun buoy will _____.

- A. be green in color
- B. have an even number
- C. be left to port when entering from seaward
- D. be cylindrical in shape

KEY: B

[828] A plane that cuts the Earth's surface and passes through the poles will always form _____.

- A. the equator
- B. a loxodromic curve
- C. a small circle
- D. a meridian

KEY: D

[830] Vessel constrained by her draught is _____.

- A. a non-power driven vessel
- B. a sailing vessel
- C. a power driven vessel
- D. a power driven vessel or a non-power driven vessel.

KEY: C

[831] Good weather is usually associated with a region of _____.

- A. low barometric pressure
- B. high barometric pressure
- C. falling barometric pressure
- D. pumping barometric pressure

KEY: B 好天气通常伴随着高压系统。

[833] Good weather is usually associated with a region of _____.

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- C. falling barometric pressure
- D. pumping barometric pressure

KEY: B 好天气通常伴随着高压系统。

[834] What is meant by the term TOPPING THE BOOM ? _____

- A. Lowering the boom
- B. Raising the boom
- C. Spotting the boom over the deck
- D. Swinging the boom athwartships

KEY: B TOPPING THE BOOM 术语的意思是什么? 吊杆向上。

[836] A mooring line leading 45° to keel, used to check forward or astern movement of a vessel, is called a

- A. spring line
- B. warp line
- C. bow line
- D. breast line

KEY: A与龙骨成45°的系泊缆绳，作为制止船舶前后移动，被叫做倒缆。

[837]If dangerous goods have been thrown overboard by the Shipowner or the master, _____ can be made liable for their loss.

- A. either
- B. the master
- C. the Shipowner
- D. neither

KEY: D

[838] Isogonic lines are lines on a chart indicating _____.

- A. points of equal variation
- B. points of zero variation
- C. the magnetic latitude
- D. magnetic dip

KEY: A等磁差线是海图上相同磁差的点联成的线。

[839]A power-driven vessel not under command at night must show her sidelights when _____.

- A. making headway
- B. making no headway
- C. moored to a buoy
- D. at anchor

KEY: A一艘机动在夜间失去控制必须显示舷灯当对水移动时。

[840]The number of pulses of energy transmitted per second is call the _____

- A. carrier frequency
- B. pulse repetition rate
- C. pulse length
- D. pulse repetition time

KEY: B

[842]Short-sea liners are _____

- A. tramps
- B. coasters
- C. OBO ship
- D. near ocean going vessels

KEY:D

[843] You have anchored in the wrong position obstructing other traffic. You must _____.

- A. pick up your anchor B. heave up your anchor
C. drop your anchor D. drag your anchor

KEY: B你抛锚在一个错误的位置妨碍其他船舶的交通。你必须起锚。

[844]Port of Registry refers to the port where _____.

- A. the ship has been named
B. the ship has been built
C. the ship has been signed
D. the ship has been registered

KEY: D船籍港指的是该船注册的港口。

[845]Hatch No. 1 must be cleaned up to meet the _____ of the cargo surveyors.

- A. necessity B. responsibility C. requirement D. stipulation

KEY: C第一货舱必须被清扫干净以符合货物检验员的要求。

[846] You are making ship-to-shore telephone calls on VHF. You should use the _____.

- A. VHF-FM service B. coastal harbor service
C. high seas service D. emergency broadcast service

KEY: A你船正在试用VHF进行船到岸的通信时你应该使用什么? VHF-FM服务。

[847] A stage should only be rigged _____.

- A. over the bow or stern of a vessel B. over the flat sides of a vessel
C. over the open water D. over the dockside

KEY: C一个平台仅用于水上搭建。

[848] Lines on a chart which connect points of equal magnetic variation are called _____.

- A. magnetic latitudes B. magnetic declinations
C. dip D. isogonic lines

KEY: D在海图上的相等磁差点连接起来的线叫做等磁差曲线。

[849] The captain ordered the dangerous cargo on deck _____ to lighten the ship and minimize the risk at sea.

- A. be jettisoned B. be dropped C. be dived D. be abandoned

KEY: A船长命令丢弃甲板的危险货物以减轻船舶并使海上风险减少。

[851]The atmosphere in the vicinity of a high pressure area is called a(n) _____.

- A. anticyclone
B. cold front

C. occluded front

D. cyclone

KEY: A

[852] What does the term TO NAVIGATE WITH CAUTION mean ? _____.

A. To navigate intentionally.

B. To navigate intensely.

C. To navigate carefully.

D. To navigate completely.

KEY: C 术语谨慎驾驶什么意思? 小心地航行

[853] ACCIDENTAL ESCAPE OF OIL OUT OF A TANK WHEN IT GETS TOO FULL

BECAUSE PUMPING WAS NOT STOPPED IN TIME defines _____.

B. Overloading

B. Over discharging

C. Overflow

D. Overtaking

KEY: C 由于泵辅没有被关闭当油太满而偶然溢出货舱定义为溢漏。

[854] There is something wrong with our radar. All kinds of objects can't be clearly _____ within the definite range.

G. shown

B. expressed

C. appeared

D. Displayed

KEY: A 我们的雷达有一些问题, 所有类型的物标都不能被清楚地显示在切丁的量程以内。

[859] A lighted preferred-channel buoy may show a _____.

A. fixed red light

B. Morse (A) white light

C. composite group-flashing light

D. yellow light

KEY: C

[862] _____ it rain tomorrow morning, the loading _____.

A. Should / will be postponed

B. If / shall be postponed

C. Should / would be postponed

D. If / has to be postponed

KEY: C 一旦明天早上下雨, 装货将被延迟。

[865] A spreader bar is used to _____.

A. increase the lifting capacity

B. increase the lifting radius

C. protect the slings

D. protect the upper part of a load

KEY: D 一个延长杆用于保护上层货物。

[868] MAINLY EAST 3 OR 4 PARTLY CLOUDY TO OVERCAST OCCASIONAL RAIN _____ SLOWLY SOUTH MODERATE OR GOOD.

B. spreading

B. proceeding

C. bounding for

D. going to

KEY: A大部分地区东风3-4级，局部多云转阴，有时有雨，并向南部缓慢延伸，能见度中至良好。

[869]What form of ice is of land origin?

- A. Shuga
- B. Floe
- C. Spicule
- D. Bergy bit

KEY: D

[870]A light that has a light period shorter than its dark period is described as _____.

- A. flashing
- B. pulsating
- C. occulting
- D. alternating

KEY: A

[872]The knot used to join two lines of different diameter is a _____.

- A. square knot
- B. carrick bend
- C. becket bend
- D. sheepshank

KEY: C

[873] THE ANCHOR WAS HEAVED AWEIGH means _____.

- A. The anchor was weighted
- B. The anchor was let go
- C. The anchor was lost
- D. The anchor was clear of the bottom

KEY: D锚已被绞离海底意思是锚已离底。

[874]_____ is used for lifting cargo.

- A. A mooring winch
- B. A windlass
- C. A deck crane
- D. A lifeboat engine

KEY: C

[875]When a vessel is entering or leaving a port, a record of engine speeds is kept in the _____.

- A. bell book

- B. deck rough log
- C. Official Logbook
- D. engine rough log

KEY: A在船舶进入或离开港口时, 机器速度的记录被保持在车钟记录簿中。

[876] All the holds to be loaded with grain must be swept _____ commencement of loading.

- A. cleanly / during
- B. clear / meanwhile
- C. clean / between
- D. clean / prior to

KEY: D所有准备装载谷物的货舱必须在开始装货之前被清洁干净。

[878] A cargo hose is marked with the _____.

- A. maximum working pressure
- B. bursting pressure
- C. safety relief valve setting
- D. maximum temperature

KEY: A输油软管被最大工作压力标记。

[880] A sling psychrometer is used to measure _____.

- A. seawater temperature
- B. engine temperature
- C. dry bulb and wet bulb temperatures
- D. barometric pressure

KEY: C悬式(干湿球)湿度计用于测量干球和湿球温度。

[882] How is the size of chain determined? _____.

- A. Length of link in inches
- B. Diameter of metal in link in inches or centimeters
- C. Links per fathom
- D. Weight of stud cable in pounds

KEY: B如何测定锚链的大小? 用英寸或厘米表示金属链环的直径

[883] Line throwing equipment should not be operated _____.

- A. during a rain storm
- B. in an explosive atmosphere
- C. near a lifeboat station
- D. by other than licensed officers

KEY: B抛绳设备不能在充满爆炸性气体的空间中使用。

[884] The steering oar in a lifeboat is usually referred to as the _____.

- A. bumpkin oar
- B. stroke oar

C. sweep oar

D. becket oar

KEY: C

[890] If passengers are on board when an abandon ship drill is carried out, they should _____.

A. take part

B. watch

C. go to their quarters

D. stay out of the way and do what they want

KEY: A

[892] Deviation in a compass is caused by the _____.

A. vessel's geographic position

B. vessel's heading

C. earth's magnetic field

D. influence of the magnetic materials of the vessel

KEY: D 罗经的自差是由于船舶材料磁场的影响引起的。

KEY: B 当船舶的吃水增加, 不利影响的自由液面将减少。

[894] As the temperature for a given mass of air increases, the _____.

A. dew point increases

B. dew point decreases

C. relative humidity increases

D. relative humidity decreases

KEY: D 当一特定气团的温度上升时, 相对湿度减小。

[895] Bags are usually stowed in between the bulk grain _____.

A. to ventilate the hold

B. to separate the cargo

C. to replace shifting boards

D. to facilitate stowage

KEY: C 袋装货通常被装在散装谷物之间以代替止移板。

[896] A double male coupling is one that _____.

A. has left hand twist

B. has inside threads on both ends

C. has outside threads on both ends

D. takes two men to operate

KEY: C 一个双凸链接件, 两端有外螺旋结构。

[897] The above mentioned ship has been duly _____ in accordance with the provisions of the convention referred to.

A. relayed

B. delayed

C. conveyed

D. surveyed

KEY: D 上述船舶已经依照有关公约的规定进行了相应的检验。

[898]Angular motion about the longitudinal axis of a vessel is known as _____.

- A. pitch
- B. surge
- C. sway
- D. roll

KEY: D

[899]Fire dampers prevent the spread of fire by _____.

- A. conduction
- B. convection
- C. radiation
- D. direct contact

KEY:B

[900]Advection fog may be formed by cold air passing over a _____.

- A. colder sea surface
- B. warmer sea surface
- C. dry coastal plains
- D. high mountain or plateau

KEY: B平流雾可能形成于冷空气经过较温暖的海面。

[903]The sprocket teeth on a wildcat are known as the _____.

- A. pawls---制动爪
- B. devil's claws---锚链掣
- C. whelps
- D. pockets---袋，容器

KEY: C持链轮上的链轮齿被称为扣链齿。

[904]Each EPIRB required on an OSV shall be tested using the integrated test circuit and output indicator every _____.

- A. week
- B. two weeks
- C. month

D. two months

KEY: C

[905]The characteristic of a lighted cardinal mark may be _____.

A. very quick flashing

B. flashing

C. fixed

D. occulting

KEY: A 装有灯的方位标志的特性可能是甚快闪。

[906] Before assuming command of a vessel,the new OOW must discuss with the one being _____,

all important operational features of the ship.

B. received

B. retrieved

C. relieved

D. Resumed

KEY: C 控制船舶之前, 新的值班驾驶员必须与接班人员讨论, 所有重要的船舶操纵性能。

[908] AFTER DROPPING THE PILOT means _____.

A. After boarding the pilot

B. After the pilot leaving the ship

C. After the pilot going on board

D. After taking the pilot

KEY: B 在 Drop the pilot 后意思是引水员离开船以后。

Drop the pilot, 航运习惯用语, 意为引航员离船

[909]A gypsy or gypsyhead is a _____.

A. punt used for painting over the side

B. small, reciprocating steam engine

C. spool-shaped drum fitted on a winch

D. swinging derrick

KEY: C

[910]A chart position enclosed by a semi-circle is a(n) _____.

A. fix

B. estimated position

C. dead reckoning position

D. running fix

KEY: C

[911]An orange and white buoy indicating a vessel-exclusion area will be marked with what symbol?

A. Open-faced diamond

B. Diamond with a cross

C. Circle

D. Square

KEY: B

[912]A CO₂ extinguisher on a ship which has lost 10% of its charge must be _____.

A. used at the earliest opportunity

B. hydro-tested

C. recharged

D. weighed again in one month

KEY: C

[913]A series of brief showers accompanied by strong, shifting winds may occur along or some distance ahead of a(n)_____.

A. upper front aloft B. cyclone C. occluded front D. cold front

KEY: D 一连串短暂的阵雨，伴有不定向强风，此现象伴随冷锋或在冷锋前一定距离。

[914]On a vessel with a single propeller, transverse force has the most effect on the vessel when the engine is put_____.

D. full ahead B. full astern C. half ahead D. slow astern

KEY: B关于单螺旋桨船，在主机全速倒车时横向力对船的影响最大。

[915]The anchors on the bow are known as _____.

A. bower anchors---主锚，船首锚，大锚

B. kedge anchors---移船锚，小锚

C. spare anchors---备用主锚，备用艏锚

D. stream anchors---尾锚，中锚，船尾锚，大流锚，流锚

KEY: A在船首的锚被称为首锚（主锚）。

[916]The forward movement of a ship in one revolution of its propeller is measured by _____.

A. advance

B. head reach

C. pitch

D. transfer

KEY: C船舶螺旋桨转动一周船舶向前移动的距离通过螺距来测量。

[917]A line of clouds, sharp changes in wind direction, and squalls are most frequently associated with a(n) _____.

A. occluded front

B. warm front

C. cold front

D. warm sector

KEY: C

[918] Aboard damaged vessels, the MOST important consideration is preserving _____.

A. bilge pumping capacity

B. reserve buoyancy

C. level attitude

D. Instability

KEY: B在一艘受损的船上，考虑最重要的是保存剩余浮力。

[920]The International Regulations for Preventing Collisions at Sea _____ while carrying out search and rescue operation.

F. apply fully

B. apply half

C. apply in part

D. not apply

KEY: A国际海上避碰规则全部适用于海上搜救作业。

[921]Of the following, the most important consideration for a tanker is _____.

A. GM

B. the vertical center of gravity

C. the longitudinal center of gravity

D. the stress on the hull

KEY: D

[922]Which shipboard equipment will detect a signal from a SART?

- A. S-Band Radar
- B. A DSC receiver
- C. X-Band Radar
- D. The autoalarm

KEY: C

[923]A vessel is considered to be restricted in her ability to maneuver under the Rules if she is _____.

- A. at anchor
- B. mine-clearing
- C. engaged in fishing
- D. engaged in towing

KEY: B

[924]The difference between magnetic heading and compass heading is called _____.

- A. variation
- B. deviation
- C. compass error
- D. drift

KEY: B

[925]Usually the Charterer has to redeliver the ship in the same good order _____ when delivered, fair wear and tear excepted.

- A. in
- B. by
- C. on
- D. as

KEY: D通常承租人将船舶交还给船东时与在租船交船时的良好状况相同，不包括正常磨损

[928] Vessel towing with the current shall ____ tow more than two boats and they must be towed alongside.

- A. at times B. at any time C. at no time D. at moment

KEY: C从事顺流拖带的船舶，所拖船应绝不得超过两只，而且必须采用旁拖

[931] Chafing gear should be placed _____.

- A. at all wearing points of mooring lines
B. at the bitter ends of all standing rigging—在固定支索（静索）的索端
C. around running rigging—运动绳索的周围
D. on wire rope only—仅用在钢丝绳上

KEY: A防（摩）擦装置应被放在所有系泊缆绳的摩擦点上。

[934] Freight rates are mostly charged _____.

- A. by the weight (tons) of cargo
B. by the capacity (tons) of vessel
C. by DW of the vessel
D. by the draft of the vessel

KEY: A运价费率主要地决定于货物的重量。

[935] A compass card without north-seeking capability that is used for relative bearings is a(n) _____

- A. bearing circle B. pelorus C. bearing bar D. Alidade

KEY: B一个没有指北功能的罗经，被用来测量相对方位、航向角的方位仪（哑巴罗经）。

[936] We shall change course to starboard and _____ with the coming ship.

- A. pass starboard to starboard B. pass port to port
C. pass side by side D. pass side against side

KEY: B我们应向右改变航向并且与来船左对通过

[938] A buoy, being a shape of cylinder and with red group flashing, shows that it is _____.

- A. left-side buoy
B. right-side buoy
C. a buoy of safety
D. a buoy of danger

KEY: A 一个圆柱体和红光组合闪的浮筒表明它是左侧标（浮筒）。

[939] A rock and sand structure extending from the bank of the river toward the channel is known as a _____.

- A. wingdam
- B. towhead
- C. cutoff
- D. landwall

KEY: A

[940] A vessel shall so far as practicable avoid _____ in a traffic separation scheme or in areas near its terminations.

- A. sailing
- B. proceeding
- C. anchoring
- D. maneuvering.

KEY: C

[941] What is the BEST conductor of electricity?

- A. Carbon dioxide---二氧化碳
- B. Distilled water---蒸馏水
- C. Fresh water---淡水
- D. Salt water---海水

KEY: D 什么是电流的最好导体？海水

[942] A section of the river that is narrower than usual and is often navigable from bank to bank is a _____.

- A. chute
- B. stabilized channel
- C. slough
- D. Cardinal buoy

KEY: A

[943] _____ the incomplete nature of the survey, heavy draught vessels are warned not to navigate within the 10 fathom

line.

- A. Because B. Owing to C. Having been D. Being

KEY: B 由于测量的部完整性, 警告深吃水船舶不得在10拓等深线内航行。

[945] From which type of cloud can a tornado or waterspout develop?

- A. Nimbostratus
B. Altostratus
C. Cumulonimbus
D. Cirrus

KEY: C

[946] Roll-on / roll-off ships are equipped with _____.

- A. cargo elevators
B. conveyor belts
C. ramps
D. derricks and winches for cargo handling

KEY: C

[947] Except in rare cases, it is impossible to extinguish a shipboard fire by _____.

- A. removing the heat B. removing the oxygen
C. removing the fuel D. interrupting the chain reaction

KEY: C 除极少数案例外, 船上不可能通过移开燃油来灭火。

(书内解释: 船火一般不因热源被移走而熄灭)

[949] Diesel engines obtain combustion air through turbo chargers, blowers, or _____.

- A. air starters B. carburetors C. natural aspiration D. air receivers

KEY: C 柴油机通过涡轮增压, 鼓风机或自然吸风获得助燃空气。

[952] Any vessel in need of carrying out deck washing must be _____ by the department concerned beforehand.

- A. requested B. allowed C. approved D. Inquired

KEY: C任何需要进行甲板冲洗的船舶必须事先被有关部门批准。

[953]A plane that cuts the Earth's surface and passes through the poles will always form _____.

- A. the equator
- B. a loxodromic curve
- C. a small circle
- D. a meridian

KEY: D

[955]Damage stability is the stability _____.

- A. which exists when the wind speed is less than 50 knots
- B. before collision
- C. after flooding
- D. at the maximum load

KEY: C

[956]Damage stability is the stability _____.

- A. which exists when the wind speed is less than 50 knots
- B. before collision
- C. after flooding
- D. at the maximum load

KEY: C

[957] All events relating to the voyage, such as ship's position, speed and details of the weather, are recorded in _____.

- B. Logbook
- B. Bell Book
- C. Oil Record Book
- D. Compass Error Book

KEY: A所有与航次有关的事件，诸如船位，航速和气象的详细资料都被记录在航海日记中。

[958] There _____ numerous platforms, wellheads, other obstructions and flares in the central and southern portions of the Gulf of Suez.

- G. is
- B. was
- C. are
- D. Have

KEY: C在苏威士湾中南部有许多的平台，井口，其他障碍物及其延伸物

[959] Which nautical charts are intended for coastwise navigation outside of outlying reefs and shoals?

- A. Approach charts B. General charts C. Sailing charts D. Coast charts

KEY: B在无礁石和浅滩的沿岸航行时用哪种海图最好？总图

[960] The discharge side every fire pump must be equipped with a _____.

- A. gate valve
B. pressure gauge
C. check valve
D. strainer

KEY: B

[961] The American Petroleum Institute recommends magnetic particle inspection for _____.

- A. ropes B. wire rope C. connecting links D. pendant wires

KEY: C美国石油组织推荐对连接环进行磁粉探伤。

[964] A seaman is entitled by law to a release from Foreign Articles when _____.

- A. intoxicated
B. deductions are made from wages
C. injured
D. the vessel is overloaded

KEY: D当船舶超载时，船员有权依法豁免外国条款。

[965] After transferring a weight forward on a vessel, the draft at the center of flotation will _____.

- A. change, depending on the location of the LCG B. increase
C. decrease D. remain constant

KEY: D往船的前部转移重量后，漂心处的吃水将保持不变。（船舶绕漂心倾斜）

[966] Owing to the big draft, the ship is not permitted to go alongside until the time of _____.

- A. spring tide B. flood tide C. ebb tide D. slack water

KEY: A由于大吃水，船舶不允许靠泊直到大潮时

[967] A pilot vessel on pilotage duty shall show identity lights _____.

- A. at any time while underway B. while at anchor
C. while alongside a vessel D. at any time on pilotage duty

KEY: D引航员在进行引航任务时，应显示识别号灯

[969] The type of extinguisher which should be used for an electricity fire is _____.

- A. foam or soda acid B. dry chemical or foam
C. carbon dioxide or dry chemical D. carbon dioxide or foam

KEY: C被用于电器火灾的灭火器类型是CO2或干粉灭火器

[970] Lateral movement of the vessel to leeward of its course defines _____.

- A. Leeway
B. Leeseide
C. Leeward
D. Lee moving

KEY: C船舶偏向航向下风的横向移动定义为顺风。

[971] Most propellers on merchant vessels are constructed of _____.

- A. manganese bronze. B. cast iron
C. mild steel. D. improved plow steel

KEY: A许多船舶的螺旋桨都是锰铜做的。

[973] The merchant shall have the goods properly _____ and accurately and clearly _____ before shipment.

- A. packing, marking
B. pack, mark
C. packed, marked
D. be packed, be marked

KEY: C货物在装船前，商人必须对其进行适当的包装和准确而明显的标记。（已经完成的动作）

[975] Cargo that gives off fumes that may contaminate other cargo is known as a(n) _____.

- A. delicate cargo B. dirty cargo C. toxic cargo D. odorous cargo

KEY: A能放出气体，污染其它货物的货物称为能散发气味的货物。

[976] The ship is now too much listing to portside. I suggest that you _____ light cargo on portside and heavy cargo on starboard side.

- G. will put B. would put C. put D. shall put

KEY: C船体现在向左倾斜的太多。我建议你轻货放在左舷，重货放在右舷。

[977] _____ moving rather quickly east expected 150 miles south of Cape Farewell 972 by 160000GMT.

- A. Developed low B. Developing low
C. Being developed low D. Low to be developed

KEY: B发展中低压正在向东快速移动，预计在160000GMT在Cape Farewell南150海里达到972。

[979] Filler cargo refers to _____.

- A. durable packages
B. small pieces
C. the cargo in which the voids appear
D. the cargo suitable for stowage in void spaces

KEY: D

[980] All liabilities in connection _____ the said damage _____ from the accident are to be for ship-owner's account.

- A. to/rising
B. with/arising
C. to/arising
D. with/arised

KEY: B由于意外事故而导致的有关上述损害的所有债务由船东来完成。

To be for 由...来完成...(电传用语，例如，TBF ows accT，由船东支付)

[981] A towing vessel's capability is BEST measured by horsepower, bollard pull, maneuverability and _____.

- A. displacement -

- B. stability
- C. towrope pull
- D. propeller design

KEY: A

[982] Seasickness is caused by rolling or rocking motions which affect fluids in the _____.

- A. stomach
- B. lower intestines
- C. inner ear
- D. bladder

KEY: C

[984] Compass deviation is caused by _____.

- A. magnetism from the earth's magnetic field
- B. misalignment of the compass
- C. magnetism within the vessel
- D. a dirty compass housing

KEY: C 罗经自差由船舶内部的磁力导致。

[986] West backing south-west gale 8 locally storm 10 _____ then rain or sleet mainly good.

- A. windy showers
- B. showers with winds
- C. wintry showers
- D. showery winds

KEY: C 西转西南，大风8级局部狂风10级，冻鱼然后主要为雨或雨夹雪

[987] The fog most commonly encountered at sea is called _____.

- F. conduction fog
- B. radiation fog
- C. frontal fog
- D. advection fog

KEY: D 在海上最常见的雾是平流雾。

[988] I would be very much _____ if you could arrange for a radio technician to come on board as soon as possible for my radar repair.

- A. obliged
- B. obliging
- C. oblige
- D. being obliged

KEY: A我将非常感谢假如你能够尽可能快地安排无线电技师上船修理雷达

[989] Lay days _____ to commence after the expiry of a specified time after the giving of the notice of readiness to load or discharge.

- A. is B. are C. will be D. shall be

KEY: B装卸货就绪通知书给出以后在指定的时间后开始计算装卸货时间。

[990] In vessel construction, beam brackets are triangular plates that join the deck beam to a _____.

- D. bulkhead B. frame C. stanchion D. deck longitudinal

KEY: B在船舶结构中，梁肘板是连接甲板梁与肋骨的三角形板材。

[991] Foam extinguishes a fire by _____.

- A. shutting off the air supply
B. cooling the fuel to below ignition temperature
C. dispersing the fuel
D. removing the source of ignition

KEY: A泡沫灭火通过切断空气供给。

[992] A vessel _____ a crossing vessel, shall not normally enter a separation zone or cross a separation line.

- A. including
B. inclusive of
C. except that
D. other than.

KEY: D

[994] The principal purpose of adjustment of the magnetic compass is to eliminate _____ as far as possible.

- A. variation
B. compass error
C. deviation
D. earth's magnetic force

KEY: C

[995]EASE THE STRAIN ON THE STERN LINE means _____.

- A. Don't take in the stern line.
- B. Take in the stern line.
- C. Send out the stern line.
- D. Heave up the stern line

KEY: C

[996]A slow and easy motion of a vessel in a seaway is an indication of a _____.

- A. small GM
- B. low center of gravity
- C. stiff vessel
- D. large GZ

KEY: A

[999]Never make comment, estimate or guess in your Logbook, but _____ only.

- A. the specifications
- B. the facts
- C. the descriptions
- D. the details

KEY: B 不要将评语, 估计和猜测记入航海日志中, 但仅除事实外。

[1001]All vessel personnel should be familiar with the survival craft's

- A. boarding and operating procedures
- B. maintenance schedule
- C. navigational systems
- D. fuel consumption rates

[1002] _____ automatically provides the ship's nautical officers with important information about nearby vessels or other relevant objects within VHF range.

- A. AIS
- B. ECDIS
- C. GPS
- D. VDR

[1003] Gross tonnage indicates the vessel's

- A. displacement in metric tons
- B. total weight including cargo
- C. volume in cubic feet
- D. the volume of the enclosed space

[1004]A vessel may be unable to take proper and effective action due to the speed _____ too high or, in some

circumstances, too low.

A. is B. is to be C. will be D. being

[1005]A vessel engaged in fishing must display a light in the direction of any gear that extends outward more than 150 meters. The color of this light is

A. white B. green C. red D. yellow

[1006]Which term refers to a transverse curvature of the deck?

A. Deadrise B. Camber C. Freeboard D. Flare

[1007]The upward slope of a vessels bottom from the keel to the bilge is called

A. camber B. sheer C. rake D. rise of bottom

[1008] is not a search manual.

A. MERSAR B. IMOSAR C. ICAO SAR D. SOSREP

[1009]The depth over a shallow patch, about 1.5 miles southeastward of Nanshan Tou lighthouse, reduces to 8 meters.

A. lay B. lies C. being lain D. lying

6[1010]ECDIS units incor

porate Digital Chart Data Formats, which include

A. vector only B. raster only C. vector and raster D. imposed viewing

[1011]A single-screw vessel going ahead tends to turn more rapidly to ; ; ; port because of propeller

A. discharge current B. suction current C. sidewise force D. thrust

[1012] causing strong winds and rough sea north west Bay of Biscay.

A. Strong low pressure B. Strong high pressure
C. Steep pressure gradient D. Steep gradient pressure

[1013]The heel block is located

A. at the base of the boom B. at the cargo hook
C. near the midships guy D. near the spider band

[1014]On the cargo manifest, the gross weight of a box containing cargo is the weight of the

A. cargo B. box C. cargo and box D. rate weight

[1015] A hook that will release quickly is a

A. longshore hook B. swivel ring C. toggle hook D. pelican hook

[1016] What is the main reason to slush a wire rope?

A. Keep the wire soft and manageable B. Lubricate the inner wires and prevent wear

C. Prevent kinking D. Prevent rotting

[1017] The diurnal variation of pressure is most noticeable

A. above the polar circles B. in a low pressure area

C. during periods of low temperatures D. in the doldrums

[1018] The locker will{ remain sealed } as long as your ship is here.

A. be kept sealed B. be released from being sealed

C. be kept signed D. be released from being signed

[1019] When a vessel is on autopilot steering, the "weather" control is adjusted to compensate for which severe weather effect on a vessel?

A. Yaw B. Roll C. Pitch D. Leeway

[1020] Lines drawn through points on the Earth having the same atmospheric pressure are known as

A. isothermal B. millibars C. isobars D. seismics

[1021] A deck fitting, used to secure line or wire rope, consisting of a single body with two protruding horns is called a .

A. bitt B. bollard C. capstan D. cleat

[1022] When hitting a solid object such as a ship or an airplane, the radar waves are reflected back they came.

A. in the way B. the way C. by the way D. through the path

[1023] With a large tow astern, there is immediate danger to the tug in the event of the

A. tug losing power B. tow line parting C. bridle twisting D. tow broaching

[1024] The major use of water in fighting fires is to

A. suffocate the fire

B. absorb the oxygen supporting the fire

C. act as a cooling agent

D. wash the fire away

[1025] Movement of liquid in a tank when a vessel inclines causes an increase in

A. righting arm B. metacentric height

C. height of the uncorrected KG D. natural rolling period

[1026] A tsunami is caused by a(n) .

A. tidal wave

B. storm surge caused by a hurricane or tropical storm

C. earthquake on the ocean's floor

D. tornado

[1027]The helm command CHECK HER means .

A. test the steering control

B. read the compass beards

C. stop the swing using hard over rudder

D. slow the swing using moderate rudder

[1028]When Contracting Governments exercise control all possible efforts be to avoid a ship being unduly detained or delayed.

A. made

B. taken

C. done

D. had

[1029] Oil product samples may be taken from all of the following except

A. dock riser

B. ship's cargo tanks

C. shore tank discharge

D. hydrant head

[1030]On a light tow, what could you substitute for a fishplate? .

A. Heart-shaped shackle B. Pelican hook

C. Swivel

D. Ring

[1031]During the voyage from Dalian to Singapore, my vessel heavy carriages to the deck fittings.

A. maintained

B. sustained

C. pertained

D. contained

[1032] Because of , no separation is needed for the cargoes destined for New York.

A. their different packing

B. their same nature

C. their different destinations

D. their different natures

[1033] A bold reef is a reef

A. with part of it extending above the water

B. that can be detected by water turbulence

C. that drops off sharply

D. perpendicular to the current

[1034] A load line of a ship is assigned by .

A. minerals Management Service

B. department of Energy

C. corps of Engineers

D. a recognized classification society approved

[1035] A message giving warning of a hurricane should have which prefix when sent by radiotelephone?

A. Pan-Pan (3 times)

B. Securite Securite Securite

C. TTT TTT TIT

D. No special prefix

[1036] are/is not running rigging(s).

A. The cargo boom

B. The cargo hoisting wire rope or line

C. The tackle that raises and lowers the boom

D. The stays and backstays at the mast

[1037] The Vessel to all requirements for the passage of the Suez and Panama Canals and have necessary certificates

on board.

A. meet B. have C. relate D. sustain

[1038] What term indicates an inward curvature of the ship's hull above the waterline? ____

A. Camber B. Tumble home C. Deadrise D. Flare

[1039] There is another thing I want to let you know. The lighting in the hold is very poor, even dark to work the cargo.

A. if B. very C. too D. very much

[1040] An advantage of a dry chemical over a carbon dioxide fire extinguisher is its _____.

A. greater range B. effectiveness on all types of fires
C. cleanliness D. faster

[1041] The knot used to join two lines or two large hawsers for towing is called a

A. square knot B. carrick bend C. sheet bend D. bowline

[1042] _____ are published for the correction of Admiralty Charts.

A. Admiralty Sailing Directions B. Admiralty List of Signals
C. Mariner's Handbook D. Admiralty Notices to Mariners

[1043] Which of the following will aid evaporation of surface water? _____.

A. A decrease in temperature B. The absence of wind
C. A low atmospheric pressure D. Higher humidity

[1044] Apparent wind speed blowing across a vessel under tow can be measured by a(n)

A. barometer B. wind vane C. anemometer D. thermometer

[1045] An LWT anchor often has difficulty tripping in

A. sand B. soft soil
C. stiff clay D. heterogeneous soil

[1046] Wire rope is galvanized to

A. protect it from corrosion due to contact with saltwater
B. make it bend more easily
C. increase its strength
D. increase its circumference

[1047] Which type of oil is best for use as storm oil?

A. Fish oil B. Crude oil C. Lube oil D. Mineral oil

[1048] Small hull leaks can be temporarily repaired by _____.

A. parcelling B. parbuckling C. caulking D. seizing

[1049] The carrick bend is used to _____ .

A add strength to a weak spot in a line

B join two hawsers

C be a stopper to transfer a line under strain

D join lines of different sizes

[1050] _____ the general cargo is to be loaded in No. 1 tweendeck both wings, where to put the containers?

A. Whether B. Suppose C. In cast D. How about

[1051] Can you make _____ in position 123° 32'N, 10° 13'E?

A. bona fide B. rendez-vous C. prima facie D. action in personam

[1052] It is NOT advisable to use nylon for alongside towing because it

A. stretches too much B. is too difficult to make fast

C. parts too readily D. is too susceptible to mildew

[1053] Your vessel is required to have a compass. It must also have a(n)

A. deviation table B. radar reflector

C. electronic position-fixing device D. copy of the Sailing Directions

[1054] A safety feature provided on all inflatable liferafts is

A. overhead safety straps B. built in seats

C. internal releasing hooks D. water stabilizing pockets

[1055] Attention is called to the fact that in many cases charted depths may be decreased by up to

A. one nautical mile B. two kilometers

C. 5 cables only D. one fathom

[1056] Magnetic heading differs from compass heading by

A. compass error B. true heading C. variation D. deviation

[1057] Manhole bolts and packings to be renewed if _____ any damage being found. This wording is likely to appear in

A. repair List B. stowage Plan C. .BC Code D. IMDG Code

[1058] _____ is not incoming data in the draft surveying.

A. Draft readings B. Ballast soundings

C. Density of sea (river) water D. the average draft corrected for trim

[1059] Planning to stow _____ in the end lower holds will result in much broken stowage.

A. large crates or cases B. small curved items

C. drums

D. filler cargo

[1060] If the officer of the watch must leave the voyage plan, he should ?

A. make a note in the logbook B. inform the master

C. no special action necessary D. check the new plan

[1061] A long pole with a hook at one end, used to reach for Lashes, is known as a .

A. pike pole B. jack staff C. line rod D. hooker

[1062] The shortest distance between any two points on earth defines a

A. small circle B. great circle C. rhumb line D. hyperbola

[1063] In the medical fitness standards for seafarers, is considered the particularly important factor.

A. smelling B. speed and fitness

C. eyesight and hearing D. height and weight

[1064] Which type of front forms when a cold front overtakes and forces a warm front upwards?

A. cold front B. An occluded front C. A warm front D. A stationary front

[1065] A system of reservoirs and connecting tubes in a gyro compass is called a .

A. spider element B. mercury ballistic C. gyrotron D. rotor

[1066] Vessels in port may use for receiving typhoon warnings during the typhoon season.

A. their transmitters B. their receivers

C. their radars D. their Typewriters

[1067] During loading or discharging, the tallymen must make contact with on duty so as to solve problems in time.

A. ship owner B. ship's officers C. shippers D. consignors

[1068] As matter of fact, the damage to the winches was due to .

A. insufficiency of packaging B. inherent vice of the cargo

C. improper stowage D. rough handling

[1069] The master got permission to pump out 500 tons of clean sea water for

A. the purpose of trimming B. the approval for ballast

C. the purpose of voyage D. the approval for operation

[1070] The distance from the still water level (corrected for tides and storm surge) to the bottom of the hull of a ship is the

A. air gap B. freeboard C. penetration D. water depth

[1071] A vessel proceeding along the bank of a river or channel has the tendency to

A. continue in line with the bank B. hug the bank

C. sheer away from the bank D. increase speed

[1072] operates at a transfer rate of up to 9600 bits per second and is telephone, telex and facsimile (fax) capable.

A. INMARSAT A B. INMARSAT C C. Safetynet D. NAVTEX

[1073] For small angles of inclination, if the KG were equal to the KM, then the vessel would have

A. positive stability B. negative stability C. neutral stability D. maximum stability

[1074] The West Wind Drift is located .

A. near 60° S

B. on each side of the Equatorial Current

C. in the North Atlantic between Greenland and Europe

D. in the South Pacific near 5CS

[1075] The tide is 2 hours before low water, and _ your present position you will be aground at low water.

A. falls/in B. has been falling/on C. has fallen/at D. is falling/in

[1076] A line of position derived by radar range from an identified point on a coast will be a(n)

A. straight line B. arc C. parabola D. line parallel to the coast

[1077] During a storm, the chance of fatigue failure of a mooring line will increase as

A. vessel motions increase B. mooring tensions decrease

C. KG increases D. KG decreases

[1078] While on watch, you notice that the air temperature is dropping and is approaching the dew point. Which type of weather should be forecasted? .

A. Hail B. Heavy rain C. Sleet D. Fog

[1079] Conditions for crossing a rough bar are usually best at

A. low water slack B. high water slack

C. high water ebb D. high water flood

[1080] is not a process of weathering of the oil spilled in the sea water.

A. Biodegradation B. Dissolution

C. Cleaning up by crew with skimmers D. Oxidation including photooxidation

[1081] A vessel fitted with twin screws is easier in than a vessel with single screw.

A. turning maneuver B. course setting C. position fixing D. regulating speed

[1082] A DECK,SPACE,AREA,ETC. ,NOT PERMITTED TO BE ENTERED FOR SAFETY REASONS defines

A. restricted area B. closed area C. prohibited place D. forbidden place

[1083] In regions near the equator, the winds are generally described as .

A. westerlies B. easterlies C. northerlies. D. southerlies

[1084] The latest known details of lights are given in

- A. admiralty List of Lights and Fog Signals B. admiralty List of Radio Signals
C. admiralty Maritime Communications D. NP 290

[1085] A fire starts on your vessel while refueling. You should FIRST

- A. stop the ventilation B. sound the general alarm
C. determine the source of the fire D. attempt to extinguish the fire

[1086] The welds used to attach stiffeners to a plate are known as

- A. butt welds B. seam welds C. fillet welds D. plate welds

[1087] The officer on duty looked down into the sea for inspection but no of any floating object was seen.

- A. sign B. remark C. trace D. acknowledgement

[1088] In the presence of external forces, the center of buoyancy of an inclined vessel is vertically aligned with the

- A. center of gravity B. metacenter
C. center of flotation D. keel

[1089]A copy of Engineering Department Standard Operating Procedures booklet is kept

- A. in PA system of the ship B. in the Bow Thruster
C. in every crewmember' s cabin D. on the bridge

[1090] is a digitized "picture" of a chart.

- A. Vector chart format B. Raster chart data
C. Pixel D. Electronic Nautical Chart

[1091] Condensation on the evaporator coil occurs when air enters the container during stuffing.

- A. cargo B. warm humid C. cold humid D. cold dry

[1092] Clouds with the prefix "nimbo" in their name

- A. are sheet or layer clouds B. have undergone great vertical development
C. are middle or high altitude clouds D. are rain clouds

[1093]The choice of length of tow bridle legs is governed by the .

- A. expected towing forces B. capability of retrieving gear
C. freeboard of the unit being towed D. need to reduce yaw

[1094] Before switching on gyro-compass, you should make sure that the power supply on board is

- A. high or low B. AC or DC C. strong or weak D. on or off

[1095] FIRST AID means

- A.medical treatment of accidentr

B.setting of broken bones

C.emergency treatment at the scene of the injury

D.dosage of medications

[1096]The most favourable condition for land and sea breezes are

A. anticyclonic B. gale C. gradient wind D. geostrophic wind

[1097]Of all the extinguishing agents listed below,which one has the greatest capacity for heat absorption?

A. Water fog B. Carbon dioxide

C. Dry chemical D. Solid stream of water

[1098] A radiotelegraph message commencing with XXX has the same meaning as a message sent by the radiotelephone commencing with

A. TIT

B. SOS

C. the spoken word URGENCY

D. the spoken word PAN

[1099] Permanent magnetism is found in

A. hard iron B. soft iron C. vertical iron only D. horizontal iron only

[1100] If you had started loading earlier, you loading now.

A. would finish B. will have finished

C. would have finished D. will be finished

[1101] If the ship is alongside the wharf , what kind of is used? '

A. pilot ladder B. rope ladder

C. rod ladder D. accommodation ladder

[1102] A pattern according to which vessels and / or aircraft may conduct a coordinated search is a

A. research pattern B. research mode

C. search pattern D. search and rescue mode

[1103] Which one of the followings does not limit the effective range of radar?

A. Pulse width B. Pulse repetition frequency

C. Peak power D. Target brightness

[1104] is not a sling hook.

A. Slip hook B. Grab hook

C. Chime or drum hook D. Cargo hook

[1105] Which mooring line has the least elasticity?

A. Dacron B. Nylon C. Esterlene D. Polypropylene

[1106] A parallel of latitude other than the equator is a

- A. great circle B. loxodromic curve C. small circle D. gnomonic curve

[1107] If there's a fire aboard your vessel, you should FIRST

- A. notify the competent authorities B. sound the alarm
C. have passengers put on life preservers D. cut off air supply to the fire

[1108] When chipping rust on a vessel, the MOST important piece of safety gear is

- A. a hard hat B. gloves C. goggles D. a long sleeve shirt

[1109] Holes in the bulwark, which allow deck water to drain into the-sea, are

- A. doggers B. fidleys C. freeing ports D. swash ports

[1110] Electric generators can be protected against overload

- A. with switches B. with a governor on the engine
C. with fuses or circuit breakers D. by using heavy wire

[1111] Logbooks are not used to record the events occurring when

- A. the ship is in a harbor B. the ship is at anchorage
C. the ship is underway D. the ship is under repair at dock

[1112] A design modification of an anchor chain which prevents kinking is the

- A. detachable link B. stud link C. kenter link D. connecting link

[1113] The sorting of accident victims according to the severity of their injuries is called

- A. evaluation B. triage C. surveying D. prioritizing

[1114] Radar is not only to obtain _____, but also to measure their distance away from you

- A. brightness of objects B. color of targets
C. shape of targets D. bearing of objects

[1115] If the buoyant force on a ship's hull is equal to the displacement tonnage, the ship will

- A. require ballast B. be down by the head
C. sink D. float

[1116]. A buoy with a composite group-flashing light indicates a(n)

- A. bifurcation B. fish net area C. anchorage area D. dredging area

[1117] Aboard a survival craft, ether can be used to _____.

- A. start the engine in cold weather B. aid in helping personnel breathe
C. prime the sprinkler system D. prime the air supply

[1118] Before sailing, mariners on duty shall check the headings of magnetic compass by comparison with

A ship's clock B. engine movement recorder

C. repeaters D. navigation lights

[1119] Reinforcing frames attached to a bulkhead on a vessel are called

A. side longitudinal B. intercostals C. stiffeners D. brackets

[1120] All deck cargo must be in addition to being shored, blocked, and braced.

A. lashed B. carefully prestowed C. nested D. properly supervised

[1121] All of the following are distress signals under the Rules EXCEPT

A. a green star signal

B. orange-colored smoke

C. red flares

D. the repeated raising and lowering of outstretched arms

[1122] A is the intersection of the surface of a sphere and a plane passing through the Center of the sphere.

A. great circle B. small circle C. large circle D. general circle

[1123] Chain slings are suitable for heavy slender articles, such as

A. timber or steel rails B. locomotives or boilers

C. railway passenger coaches D. motor vehicles

[1124] When using the marine radiotelephone, what frequency is not commonly used for transmission of distress signals?

A. 2182 kHz B. 156.8 MHz C. Channel 16 D. Channel 66

[1125] With respect to AIS, which information is required to be broadcast every 1 to 10 seconds?

A. time stamp B. destination C. location of antenna D. IMO number .

[1126] What should you avoid when receiving work order?

A. Having other people help you with your work

B. Swearing

C. Wasting time on having procedures explained

D. Misunderstandings

[1127] A CO₂ portable extinguisher is annually checked by

A. reading the gage pressure B. weighing extinguisher

C. discharging a small amount of CO₂ D. seeing if seal has been broken

[1128] the visibility to reduce to one mile by heavy rain, it be impossible to rescue the vessel in distress.

A. Was/would B. Were/would C. Is/will D. Is/is to

[1129]Your vessel is not underway when

- A. her anchor is dragging B. her anchor is used in docking
C. she is dredging her anchor D. her anchor holds fast while she is swinging

[1130] A continuous sounding of a fog-signal apparatus indicates

- A. the vessel is in distress
B. the vessel has completed loading dangerous cargo
C. it is safe to pass
D. the vessel is anchored

[1131]A hand held instrument used to measure distances between object and the ship is a

- A. vernier B. psychrometer C. hrcarcoeter D. stadimeter

[1132]Which type of frontal passage is associated with a relatively narrow band of precipitation?

- A. A cold front B. A warm front C. A stationary front D. None of the above

[1133] Installing tandem anchors on the same mooring line is referred to as .

- A. doubling B. pretensioning C. piggybacking D. paralleling

[1134] More exact assessment of visibility is achieved when is used to determine the range of vessel or other objects in the vicinity.

- A. radar B. omega C. satellite navigator D. GPS

[1135] We usually choose cargo-handling equipment according to

- A. the ship type B. the port's organization
C. the cargo's nature D. the dockers' ability

[1136] What is the purpose of VRM control?

- A. To measure distance accurately B. To measure bearing accurately
C. To measure range accurately D. To adjust radar monitor

[1137] The Shipowner is under a duty to the vessel to the port of loading even though it is impossible for her to get there by the canceling date.

- A. mend B. bend C. rend D. send

[1138]Should the vessel have no deratization certificate at the time of her delivery, she be held to be unseaworthy.

- A. shall B. should C. may D. would

[1139]On an isomagnetics chart, the line of zero variation is the

- A. non-variation line B. isogonic line

C. variation line D. agonic line

[1140] Increasing the area of the anchor flukes will

- A. increase holding power B. decrease holding power
C. make penetration more complete D. not effect holding power

[1141] is formed when the droplets or ice crystals in clouds have become sufficiently large to fall to the ground.

- A. Humidity B. Temperature C. Precipitation D. Wind

[1142] A current perpendicular to a vessel's track has the greatest effect on the vessel's course made good

- A. at high vessel speeds B. at low vessel speeds
C. in shallow water D. in deep water

[1143] Gasoline vapor tends to collect

- A. above the floor plates of the bilges B. above the carburetor level
C. at the lowest point of the bilge areas D. at no particular level

[1144] is not a process of weathering of the oil spilled in the sea water.

- A. Emulsification B. Sedimentation / Sinking
C. Oxidation including photooxidation D. Burning organized by RCC

[1145] If a vessel under tow starts jumping on its tow line, the most appropriate action to alleviate the condition is to

- A. change course B. slow down
C. heave to D. adjust tow line length

[1146] A light signal consisting of three flashes means

- A. I am in doubt as to your actions B. my engines are full speed astern
C. I desire to overtake you D. I am operating astern propulsion

[1147] Overheat will be encountered in the operation of winches.

- A. electric B. retrofitting C. steam D. hydraulic

[1148] The pneumatic containers which store bulk dry mud additives and cement on a ship are called .

- A. mud hoppers B. bulk bins C. p-tanks D. mud tanks

[1149] When liquid is free to move transversely in a tank, the effect is called

- A. free communication B. free density
C. free surface D. negative GM

[1150] A pilot vessel may continue to sound an identity signal if she is .

- A. underway, but not making way B. aground
C. being towed D. not engaged in pilotage duty

[1151] Perihelion is the point where the Sun

- A. is nearest to the earth
- B. is farthest from the earth
- C. is on the opposite side of the earth from the moon
- D. and moon and earth are in line

[1152] Atmospheric _____ may cause a light to be seen farther than under ordinary circumstances.

- A. advection
- B. deflection
- C. refraction
- D. diffraction

[1153] An air mass is termed warm if

- A. it is above 70° F
- B. the ground over which it moves is cooler than the air
- C. it originated in a high pressure area
- D. it originated in a low pressure area

[1154] _____ are clouds having their base between sea level and 2 km and 6 km height.

- A. Low clouds
- B. High clouds
- C. Special low clouds
- D. Medium clouds

[1155] A stopper is

- A. a short length of line used for temporarily holding another line
- B. a snatch block for handling a topping lift
- C. an engine order telegraph
- D. the brake on a cargo winch

[1156] The range of a light on Admiralty Charts is normally the

- A. nominal range
- B. luminous range
- C. geographical range
- D. visible range

[1157] Navigational warnings and weather bulletins for shipping _____ from Singapore Radio.

- A. broadcast
- B. broadcasted
- C. are broadcast
- D. are broadcasted

[1158] If you wear extra clothing when entering the water after abandoning ship it will

- A. weigh you down
- B. preserve body heat
- C. reduce your body heat
- D. make it more difficult to breathe

[1159] The damaged cargo is not allowed to export without

- A. repairing or replacing
- B. to repair or to replace
- C. being repaired or replaced
- D. to be repaired or replaced

[1160] The telegram AMENDED ETA 1900/4TH OWING STRONG WIND says that

A. ETA is received B. ETA is changed

C. ETA is earlier D. ETA remains unchanged

[1161] In coastal water GPS positions should be checked by ?

A. visual observations B. radar observations

C. buoys and seamarks D. visual and radar observations

[1162] Who may perform as a lookout? .

A. A member of the engineering watch B. A member of the navigational watch

C. A member of the Stewards Department D. A member of the Catering Department

[1163] is not a function of back-up wires on a towed vessel.

A. A factor of safety B. Additional strength

C. A distribution of the towing load D. More stable force on the towline

[1164] Recurvature of a hurricane's track usually results in the forward speed

A. increasing B. decreasing

C. remaining the same D. varying during the day

[1165] A search and rescue region is

A. a small area B. an area covered by air surveillance

C. an area covered by radar surveillance D. an area of defined dimensions

[1166] A rapid rise or fall of the barometer indicates

A. heavy rain within six hours B. a decrease in wind velocity

C. a change in the present weather conditions D. that fog will soon set in

[1167] The alteration of depth contours or limits should be made with

A. erasures B. short double strokes C. typing correction fluids D. two or three pencil ticks

[1168] The area of Dover Strait lies within the limits of of the world-wide navigation warning service.

A. NAVAREA I B. NAVAREA II C. NAVAREA III D. NAVAREA IV

[1169] Atmospheric pressure may be measured with a(n) .

A. barograph B. aneroid barometer

C. mercurial barometer D. goniometer

[1170] Never , the lifeboat or lifecraft disengaging locks or hydrostatic release gears because it can cause them to fail to function.

A. oil B. rig C. release D. paint

[1171] Please supply 200 tons of fresh water my ship.

A. with B. in C. to D. on

[1172]As a cold front passes an observer, pressure .

- A. drops and winds become variable B. rises and winds become gusty
C. drops and winds become gusty D. rises and winds become variable

[1173]A ship is inclined at an angle of loll. In the absence of external forces, the righting arm (GZ) is

- A. positive B. negative C. zero D. vertical

[1174] is not indicated by bilge soundings.

- A. The amount of condensation in the hold B. Whether the cargo is leaking or not
C. Whether the vessel is taking on water D. GM

[1175] Wire rope should be renewed when the .

- A. outer wires are rusted
B. outer wires are worn to half their original diameter
C. inner core appears dry
D. certification period expires

[1176]A galley grease fire on the stove may be extinguished using .

- A. water B. foam
C. the range hood extinguishing system D. fire dampers

[1177]The short-long dashed magenta line around Gardiners Island marks

- A. a regulated anchorage B. fish trap areas
C. an area closed to the public D. underwater cables

[1178] the abstracts of deck logbook covering the said accident.

- A. Attached herewith are B. Attached is bemnth
C. Attached are hereby D. Hereby are attached

[1179] The actual amount of cargo loaded depends upon

- A. the broken stowage listed B. the broker stowage calculated
C. the broken stowage given D. the actual broken stowage

[1180] What does a navigator who uses an ECDIS require ?

- A. Good navigational knowledge and a professional job attitude
B. Good computer knowledge
C. Good system knowledge
D. Nothing special

[1181] A cargo tank that is initially gas freed, can be inerted by introducing inert gas by a process known as

- A. coarse spray B. fine spray
C. precipitation D. dilution or Displacement

[1182] What happens to the pulling power of a winch when retrieving wire rope?

- A. It increases B. It decreases
C. It remains the same D. It fluctuates, depending on the gearing system

[1183] Whilst in navigation the Master to good care for deck cargo and tighten up lashings on deck cargo with the Vessel' s Crew.

- A. have B. make C. take D. do

[1184] A power-driven vessel underway shall keep out of the way of .

- A. a vessel restricted in her ability to maneuver
B. a vessel under command
C. a passenger ship
D. a seaplane on the water

[1185] A white buoy with an open-faced orange diamond on it indicates

- A. danger B. vessels are excluded from the area
C. the buoy is a mooring buoy D. operating restrictions are in effect

[1186] The abbreviation LWRP on the navigation maps means

- A. low water reference plane B. low winter runoff point
C. least water river plane D. land wall reference point

[1187] If the liferaft capsizes, all personnel should leave the raft and

- A. climb onto the bottom B. swim away from the raft
C. right the raft using the righting strap D. inflate the righting bag

[1188] the demand of the shipper the Shipowner must issue a bill of lading giving certain particulars, e. G. Quality of goods shipped .their apparent condition.

- A. In B. At C. By . D. On

[1189] Making cargo plan for appropriate distribution of the cargo on board is duty.

- A. a ship's officer's B. a Tallyman' s
C. a port planner's D. a foreman' s

[1190] Which oil is not the most suitable for use as storm oil?

- A. Fish oil B. Vegetable oil C. Mineral oil D. Animal oil

[1191] When _____ the is large, the ship is stiff; and when it is small, she is tender.

- A. GM B. free surface
C. longitudinal center of gravity D. transverse center of gravity

[1192] When the vessel arrives, the cargo of machinery to be unloaded is

- A. transported to the ship's side B. transported into the shed
C. lashed and secured D. delivered to the consignor

[1193] Halon extinguishes a fire by

- A. breaking the chain reaction B. smothering the fire
C. cooling the fire D. coating the fuel with a nonflammable surface

[1194] We are pleased to inform you that all the general cargoes _____ are stowed and separated by mats.

- A. discharge B. discharging C. be discharged D. to be discharged

[1195] Which splice is used to connect two separate lines together? _____ .

- A. Back splice B. Chain splice C. Eye splice D. Long splice

[1196] Which data is not necessarily recorded by ECDIS at one-minute intervals? _____ .

- A. Position B. Electronic navigational chart source
C. Course made good history D. Draft of the ship

[1197] An important step in fighting any electrical fire is to _____ .

- A. stop ventilation B. stop the vessel
C. de-energize the circuit D. apply water to extinguish the fire

[1198] The cargo must be loaded within the time stipulated by the charter-party, otherwise the Charterer will have to pay _____ .

- A. despatch B. demurrage C. detention D. damage

[1199] Heat stroke or sunstroke is _____ .

- A. hyperthermia B. hypothermia C. dehydration D. burns and scalds

[1200] The stowage factor should be calculated

- A. before the stowage plan is made B. when the stowage plan is made
C. after the stowage plan is made D. before loading

[1201] The fitting of an efficient radar reflector is likely to considerably increase the ship's probability of _____ .

- A. detection B. being detected C. the detective D. the detected

[1202] When a tug is in irons, she

- A. is made fast to the dock with engines secured

B. is in dry dock

C. may be in danger of being overrun by her tow

D. should pay out more towline

[1203] Bilge keels are fitted on ships to .

A. assist in drydock alignment

B. improve the vessel's stability

C. protect the vessel from slamming against piers

D. reduce the rolling of the vessel

[1204] A towing light is

A. shown below the sternlight

B. white in color

C. displayed at the masthead

D. a yellow light having the same characteristics as the stem light

[1205] Whenever reference is made to a volume of Sailing Directions, of Admiralty Notices to Mariners should invariably be consulted.

A. section I B. section II C. section III D. section IV

[1206] Wind velocity varies

A. directly with the temperature of the air mass

B. directly with the pressure gradient

C. inversely with the barometric pressure

D. inversely with the absolute humidity

[1207] The officer of the watch should use radar when appropriate and at all times in waters.

A. congesting B. congested C. congestion D. congest

[1208] Cracking at hatch corners will directly permit water to enter .

A. topside tank B. bottom tank C. hopper tank D. the cargo hold

[1209] The electrically-operated emergency rescue hoist is provided on board of the

A. fire-fighting boat B. container carrier

C. helicopter D. VLCC

[1210] Load line regulations are designed to insure that a vessel has adequate structural strength and sufficient .

A. lifesaving equipment B. stability

C. mooring tension D. riser tension

[1211] The distance between any two meridians measured along a parallel of latitude and expressed in miles is the

- A. difference in longitude B. mid-longitude C. departure D. meridian angle

[1212] Support of ship side plating is provided primarily by transverse

- A. Beams B. Girders C. Frames D. Bulkheads

[1213] A radar range to a small, charted object such as a light will provide a line of position in which form?

- A. Straight line B. Arc C. Parabola D. Hyperbola

[1214] _____ is not recommended for use in dealing with spillage.

- A. Sawdust B. Copious quantities of water
C. Inert material D. Cargo on board the ship

[1215] Some of these shoals have been disproved and are not charted. Nevertheless mariners should _____ with particular caution in this area.

- A. go B. proceed C. move D. remove

[1216] For a vessel with list, a decrease in GMT will cause the angle of inclination to

- A. stabilize at an angle of loll B. decrease
C. increase D. remain constant

[1217] The parallel of latitude at 23° 27'N is the _____.

- A. tropic of Cancer B. tropic of Capricorn
C. arctic Circle D. ecliptic

[1218] _____ is not a method to separate traffic at sea.

- A. Natural feature or defined object B. Separation zone or line
C. Provision of inshore traffic zones D. Convergence zone

[1219] Goods stowed in containers _____ without notice.

- A. shall be carried on deck B. shall be carried under deck
C. may be carried on or under deck D. may not be carried on or under deck

[1220] The PC-based programme of Admiralty Digital List of Lights has been approved by

- A. all maritime authorities in Europe, Africa and Asia
B. European Channel ports
C. UKHO
D. MCA

[1221] A Doppler log in the volume reverberation mode indicates _____.

- A. speed being made good B. speed through the water C. the set of the current D. the depth of the water

[1222] All echo-sounders can measure the .

- A. actual depth of water
- B. actual depth of water below keel
- C. average depth from waterline to hard bottom
- D. average depth of water to soft bottom

[1223] In which source could you find the number of a chart for a certain geographic area?

- A. Chart No. 1
- B. Catalog of Charts
- C. IMO Practical Navigator
- D. IMO Light List

[1224] It is important to get familiarized with the emergency exits onboard .

- A. within a week
- B. immediately after boarding
- C. before boarding
- D. when you have some extra time

[1225] A position that is obtained by applying estimated current and wind to your vessel's course and speed is a(n) .

- A. dead reckoning position
- B. estimated position
- C. fix
- D. DR

[1226] MODERATE WAVES, TAKING A MORE PRONOUNCED LONG FORM; MANY WHITE HORSES ARE FORMED. THIS sea condition is likely to be termed

- A. moderate breeze
- B. fresh breeze
- C. strong breeze
- D. near gale

[1227] Please tell me to reverse your engine from full ahead to full astern.

- A. how length will it take
- B. how long it will take
- C. how long will it get
- D. how much hours it will take

[1228] After a cold front passes the barometric pressure usually .

- A. fluctuates
- B. remains the same
- C. remains the same, with clouds forming rapidly
- D. rises, often quite rapidly, with clearing skies

[1229] Deballasting a double bottom has what affect on KG? .

- A. KG is increased
- B. KG is decreased
- C. KG is not affected
- D. KG increases at light drafts and decreases at deep drafts

[1230] The irregular black line around a charted light such as Race Rock Light indicates that it is

- A. unwatched
- B. surrounded by riprap

C. a minor light D. constructed on an artificial island

[1231] It is desirable to have screens on the vents of potable water tanks to _____.

- A. filter the incoming air B. prevent explosions
C. prevent backups D. stop insects from entering

[1232] I undertake to bring to the notice of the Suez Canal Authorities, before my vessel _____ the Canal, any defects which may appear.

- A. enters into B. enters C. enters in D. enters to

[1233] When visibility is 10 nautical miles, we say that visibility is

- A. very good B. good C. poor D. moderate

[1234] Before CPR is started, you should

- A. establish an open airway B. treat any bleeding wounds
C. insure the victim is conscious D. make the victim comfortable

[1235] You see an iceberg that has not been reported. What kind of radio message do you transmit to warn others?
_____.

- A. Safety message B. Urgency message
C. Distress message D. Routine message

[1236] Severe exposure to chlorine gas can be fatal. Chlorine gas is primarily a _____.

- A. respiratory irritant B. skin burning agent
C. blood poisoning agent D. nerve paralyzing irritant

[1237] If there is sufficient sea room, alteration of _____ may be the most effective action to avoid close-quarters situation.

- A. speed and course B. speed alone
C. course alone D. speed or course

[1238] A correction for augmentation is included in the Nautical Almanac corrections for

- A. the sun B. the moon C. venus D. the star

[1239] Attention is called to the fact that in many cases pipelines are not _____ and charted depths may be decreased by up to 2 meters.

- A. concealed B. buried C. existed D. built

[1240] Which kind-of hitch should you use to secure a spar? _____.

- A. Blackwall hitch B. Stage hitch
C. Timber hitch D. Two half hitches

[1241] _____ of the ship navigating in ice is least likely to suffer from icing.

- A. Leeward side of the bridge
- B. Stem
- C. Bulwark and bulwark rail
- D. Windward side of the superstructure and deckhouses

[1242] If we had stayed at that port much longer, we the tropical storm.

- A. will meet with B. met with
- C. would meet with D. would have met with

[1243] What is the meaning of the word "ROGER" when used in radio communication? .

- A. Please repeat your message B. Not readable
- C. Correct D. I have received your transmission satisfactorily

[1244] In order to back a right-handed, single-screw vessel in a straight line, you will probably need to use .

- A. very little rudder C. some right rudder
- B. some left rudder D. full left rudder

[1245] The term PINTLE AND GUDGEON are associated with the

- A. anchor windlass B. jumbo boom C. rudder D. sasing engine

[1246] Halon gas will decompose and may form very hazardous toxic fums when discharged

- A. directly on flames B. at room lempcrazsTr C. in an extremely cold climate D. under sun

[1247] What will NOT reduce yawing of a tow?

- A. Increasing the length of the towing hawser
- B. Trimming the tow by the stern
- C. Stowing deck loads forward
- D. Drogues put over the stern

[1248] You should NOT use a power tool if .

- A. it has a three-prong plug B. the insulafcoc of toe power wires is worn
- C. hand tools can be used instead D. the power s mite -i alternating current

[1249] A container with high cube would most likely be used to stow .

- A. dense bulk cargoes B. household appliances
- C. fragile cargoes D. heavy industrial machinery

[1250] Which statement is TRUE of a tender vessel?

- A. It has a large GM B. Its period of roll is long
- C. It has a very low center of gravity D. It has a good transverse stability

[1251] When your vessel is proceeding to the area of traffic density, _____ is used to determine the exact ranges of other ships or objects in the vicinity

- A. radar B. GPS C. AIS D. satellite navigator

[1252] All inflatable liferafts have _____.

- A. safety straps from the overhead B. built in seats
C. releasing hooks at each end D. water stabilizing pockets

[1253] If the circumstances of the case admit, any vessel _____ in a narrow channel.

- A. shall have the liberty to anchor B. shall avoid anchoring
C. shall moor to a buoy when necessary D. shall keep anchoring

[1254] The catenary in a towline is _____.

- A. a short bridle B. the downward curvature of the hawser
C. another name for a pelican hook D. used to hold it amidships

[1255] Pump out No. 2 port ballast tank to _____.

- A. keep vessel afloat B. refloat vessel listing to starboard
C. make vessel all-right D. bring vessel upright

[1256] According to the Rules, a vessel's length is her _____.

- A. length between the perpendiculars B. length along the waterline
C. length overall D. registered length

[1257] In a longitudinally-framed ship, the longitudinal frames are held in place and supported by athwartship members called _____.

- A. floors B. margin plates C. stringers D. web frames

[1258] What is the purpose of the radar reflector? _____.

- A. Making objects less visible B. Making echoes weaker on the radar
C. Making large echoes smaller D. Making small objects better visible

[1259] Your vessel has taken a slight list from off-center loading of material on deck. The _____.

- A. list should be easily removed B. mean draft is affected
C. vessel may flop D. vessel is trimmed

[1260] All of the following are associated with cumulonimbus clouds EXCEPT _____.

- A. steady rainfall B. hail storms
C. thunderstorms D. tornadoes or waterspouts

[1261] A chart has extensive corrections to be made to it. When these are made and the chart is again printed, the chart _____.

issue is a

A. first edition B. new edition . C. revised edition D. reprint

[1262] On a crane, the boom indicator tells the operator what angle the boom angle is compared to the .

A. vertical position B. horizontal position

C. boom stop angle D. minimum radius angle

[1263] All lighterage in or off ports of loading or ports of discharge shall be for the account of

A. the carrier B. the merchant C. the owner D. the shipper

[1264] A hydraulic accumulator aboard a ship is designed to .

A. store fluid under pressure B. act as a fluid reservoir

C. provide overpressure relief D. replenish fluid to a system

[1265] A term applied to die bottom shell plating in a double-bottom ship is

A. bottom floor B. outer bottom C. shear plating D. tank top

[1266] If the ship sustains such damage that repairs are necessary, the master must put into the nearest port such repairs can be effected.

A. which B. at which C. there D. at there

[1267] The Beaufort scale is used to estimate the

A. wind direction B. percentage of cloud cover

C. wind speed D. barometric pressure

[1268] If that kind of weather persists, it would be very likely that the two ships would touch each other.

A. If B. Provided that C. Should D. When

[1269] _____ is not a cold injury.

A. Hyperthermia B. Frostbite C. Dehydration D. Hypothermia

[1270] In Admiralty Sailing Directions, STRIPES is the word used to indicate _____ marking.

A. horizontal B. vertical

C. diagonal D. vertical or diagonal

[1271] The navigational term SET OF CURRENT means _____ .

A. velocity of current in knots B. direction from which the current flows

C. estimated current D. direction toward which the current flows

[1272] How many hours of rest is the minimum required in a normal day .

A. 14 hours

B. 10 hours

C.6 hours

D. It doesnot matter as long as my overtime is paid for

[1273] All the holds which are to take cereals in bags must be so cleaned that they meet the requirements of the .

A. local agent B. cargo surveyor

C. accident investigator D. general average adjuster

[1274] With respect to live animals, the carrier is not liable for loss, damage or delay resulting any special risks inherent in that kind of carriage.

A. in B. from C. byD. with

[1275] ETA/PILOT REVERTING means .

A. ETA pilot station has been given B. ETA pilot station will be given afterwards .

C. ETA pilot station was not given D. ETA pilot station is given

[1276] You should plot a dead reckoning position after every .

A. course change B. speed change

C. fix or running fix D. EP

[1277] A vessel may acquire a list if the center of gravity is

A. off the centerline B. too high in the vessel

C. too low in the vessel D. too much toward the stem or the stem

[1278] A vessel using a traffic separation scheme shall so far as practicable a traffic separation line or separation zone.

A. keep well clear B. keep very far C. keep clear of D. keep clear from

[1279] A safe fuel system must .

A. prevent engine overheating B. have proper air/gasoline fuel mixture ratio

C. be liquid-tight and vapor-tight D. supply sufficient air to the intake manifold

[1280] Galvanizing would not be suitable for protecting wire rope which is used for .

A. cargo runners B. mooring wire C. shrouds D. stays

[1281]If your vessel is dragging her anchor in a strong wind, you should .

A. shorten the scope of anchor cable B. increase the scope of anchor cable

C. put over the sea anchor D. put over a stern anchor

[1282] Who has the right of way in a Traffic Separation Scheme? .

A. The inbound vessel

B. The outbound vessel

C. The vessel coming from the starboard side

D. The vessel coming from the port side

[1283] At least radar transponder shall be carried on each side of every cargo ship of 500 gross tonnage and upwards.

A. one B. two C. three D. four

[1284] The term STRAKE is used in reference to .

A. rudder mountings B. anchor gear C. hull plating D. vessel framing

[1285] How is variation indicated on a small-scale nautical chart? .

A. Magnetic compass table

B. Magnetic meridians

C. Isogonic lines

D. Variation is not indicated on small-scale nautical charts

[1286] The helm command NOTHING TO THE LEFT means do NOT .

A. use left rudder B. steer left of the ordered course

C. steer right of the ordered course D. leave any buoys on the port side

[1287] Which term indicates the rise in height of the bottom plating from the plane of the base line?

A. Deadrise B. Camber C. Molded height D. Sheer

[1288] RYT29 SWDRAFT FORE 31 FEET 8 INCHES AFT 31 FEET 10 INCHES. From this sentence , the vessel' s mean draft is

A. 31 FEET 8 INCHES B. 31 FEET 9 INCHES

C. 31 FEET 10 INCHES D. 29 FEET

[1289] If your vessel will list with equal readiness to either side, the list is most likely caused by

A. negative GM B. off-center weight

C. pocketing of free surface D. excessive freeboard

[1290] A Venetian vent or rice ventilator is used in stowage of which cargo?

A. Bagged cargo B. Bulk grain

C. Bulk rice D. Refrigerated goods

[1291] What is NOT a securing system used on a containership? .

A. Lashing system B. Stacking system C. Locking system D. Buttress system

[1292] Advices concerning MFAG and EMS are not likely to be given by

A. manufacturers of the products involved in the accident

B. coastguard

C. port state authorities

D. medical universities

[1293] After a cold front passes, the barometric pressure -

A. drops, and the temperature drops B. drops, and the temperature rises

C. rises, and the temperature drops D. rises, and the temperature rises

[1294] The _____ transmits own ship data cyclically via two defined VHF channels and receives the same data of the other ships and objects that are equipped with AIS systems

A. AIS B. ECDIS C. GPS D. VDR

[1295] _____ will ensure that a true account of what occurred in an accident can be obtained that appropriate recommendations are made and important lessons can be learned

A. AIS B. ECDIS C. GPS D. VDR

[1296] Before letting the anchor go, you should ensure all of the following except _____

A. chain is clear B. anchor is clear of obstructions

C. wildcat is disengaged D. the power for the windlass is off

[1297] In determining a safe speed shall not be among those taken into account.

A. the state of visibility B. the power of the vessel

C. the traffic density D. the maneuverability of the vessel

[1298] Upon the survey it is found the deck control valve of the Deak tank could not be

A. tightened formally B. shut tightly

C. combined properly D. closed suitably

[1299] The oil spilled was coming out of _____.

A. the sea-chest valves B. the crossover valves C. the suction valves D. the shore manifold

[1300] A vessel being towed astern shall show at night

A. the lights required for a power-driven vessel underway

B. only the required masthead lights

C. a stemlight only

D. sidelights and a stemlight

[1301] How do you operate a portable CO₂ fire extinguisher? _____.

A. Point the horn down B. Turn cylinder upside-down

C. Break the rupture disc D. Pull pin, squeeze grip

[1302] Cargoes which _____ an explosive, inflammable, poisonous and corrosive nature are called dangerous goods.

A. is B. are of C. is of D. are

[1303] Your vessel is listing because of a negative GM. To lower G below M ,you should .

- A. deballast B. transfer weight to the high side
C. ballast on the high side D. add weight symmetrically below G

[1304] If you must swim through an oil fire, you should NOT .

- A. wear as much clothing as possible
B. enter the water feet first
C. swim with the wind
D. cover eyes with one hand when entering the water

[1305] The remote control for a fixed fire extinguishing system should be .

- A. painted red and labeled B. concealed from the crew
C. protected by plexiglass D. padlocked

[1306] Each hand portable, semi-portable and fixed fire extinguishing unit on a ship must be tested and inspected at least once every

- A. six weeks B. six months C. twelve months D. two years

[1307] Which towing method maintains the most control over the tow? .

- A. Tandem towing B. Honolulu towing
C. Tandem tug towing D. Breaststayed tug towing

[1308] When entering the bridge, pilots of the Suez Canal want the master of the ship to fill in

- A. their yellow book B. their seaman's book
C. their Pilotage form D. their bill of health

[1309] You are heading into the sea during rough weather. Having too much weight forward can cause your small boat to

- A. broach B. plunge into the wave
C. rise rapidly over the wave D. list

[1310] is a full nautical record of a ship's voyage, written up at the end of each watch by the officer of the watch.

- A. Sea Protest B. Deck Log C. Accident Report D. Seaman's Book

[1311] ADVISE YOU MAKE COURSE 036 means that you should .

- A. alter your course of 036 B. keep your present course of 036
C. change your course to 036 D. change your course by 036

[1312] An unconscious person should NOT be .

A. placed in a position with the head lower than the body

B. given an inhalation stimulant

C. given something to drink

D. treated for injuries until conscious

[1313] Vessels should be manned duly qualified officers and crew adequate _____ ensure the safety of navigation.

A. by/to B. with/to C. with/for D. from/for

[1314] The salvor may make reasonable use _____ of the appurtenances of the vessel being salvaged.

A. free of cost B. free of duty

C. free of responsibility D. free of constraint

[1315] I must hold _____ for any damage which may result from the accidents you have caused.

A. your responsible B. you responsible C. you are responsible D. your are responsible

[1316] A vessel brought alongside should be fended off the towing vessel by _____

A. crew members using their arms

B. crew members using the strong muscles of their legs

C. fenders

D. no fending materials

[1317] AMVER is a system which provides _____ .

A. satellite communications B. navigational information

C. weather information D. position reporting service

[1318] The "Mode" selector switch can be positioned _____ and seaerr: a me following EXCEPT

A. weather adjustments B. hand-electric steering

C. automatic gyro D. non-follow-up control

[1319] When there are small differences between the heights of two successive high tides or two successive low tides, the tides are called _____ .

A. diurnal B. semi-diurnal C. solar D. mixed

[1320] A dead reckoning (DR) plot _____ .

A. must utilize magnetic courses

B. must take set and drift into account

C. should be replotted hourly

D. should be started each time the vessel's position is fixed

[1321] _____ are/is not the hazard in holds that can be controlled by shipboard ventilation systems.

A. Airborne contaminants B. Excessive beat

C. Fires and/or explosions D. Dust emissions-

[1322] A vessel not to impede the passage of another vessel is not relieved taking collision-avoiding action.

A. on B. of C. in D. for

[1323] When your vessel enters thick fog, she should sound every two minutes in accordance with these Rules.

A. one short blast B. one prolonged blast C. two short blasts D. three short blasts

[1324] Fire axes required on ship's must be stored in the enclosure for fire hoses with the location marked "".

A. fire axe location B. hose station No. ...

C. fire station No. ... D. firefighting equipment

[1325] Compass error is equal to the .

A. deviation minus variation B. variation plus compass course

C. combined variation and deviation D. difference between true and magnetic heading

[1326]When should operational check on navigation equipment be done?.

A. Regularly, when preparing for sea and entering port

B. As often as possible

C. When errors are indicated

D. When time allows

[1327]Please supply us with 250 tons of fresh water. You are requested to deliver it on board _____

A. till friday

B. in friday at the latest

C. until friday afterwards D. at friday soonest

[1328]Your vessel has been in a collision. After assessing the damage, you begin down flooding. This will cause the KB to do what? .

A. Fall B. Remain stationary

C. Rise D. Shift to the high side

[1329] is not the Chief Petty Officer's job.

A. To prepare and apply primers and paints B. To make fenders and eye splices

C. To read compasses D. To prepare the stowage plan

[1330] is used to determine the depth of a petroleum product in a tank?

A. Innage B. Outage C. Tliievage D. Ullage

[1331] A snatch block would most likely be used as a _____.

A. boat fall B. fairlead C. riding pawl D. topping lift

[1332] A vessel having continuous closely spaced transverse strength members is_____.

- A. longitudinally framed B. transversely framed C. cellular framed D. web framed

[1333] Gasoline fumes tend to_____ .

- A. settle near the bottom of the bilge
B. settle near the top of the bilge
C. settle evenly throughout all levels of the bilge by mixing with air
D. disperse to atmosphere

[1334] Compared to a low pressure system, generally the air in a high is .

- A. warmer, less dense, and less stable B. cool, more dense, and drier
C. muggy and cloudy D. extremely moist with high relative humidity

[1335] The positions and characteristics of lights and buoys shown within the port area are _____

- A. untrue B. impossible C. suspicious D. unimportant

[1336] You can determine that a CO₂ fire extinguisher is fully charged by .

- A. looking at the gage B. checking the nameplate data
C. weighing by hand D. weighing on a properly calibrated scale

[1337] At a spot where the charted depth is 15 m, and the tidal height is -1.3 m, then the actual depth of the water is .

- A. 13.7 m B. 15 m C. 1.3 m D. 16.3 m

[1338] A single line of position combined with a dead-reckoning position results in a(n) _____

- A. running fix B. fix
C. estimated position D. assumed position

[1339] What enables you to estimate the bearing of a storm's center?

- A. Buys Ballot's Law B. An educated guess
C. Pascal's Law D. The left-hand rule

[1340] The number 2 lifeboat on a tanker would be .

- A. forward most on the port side B. forwardmost on the starboard side
C. abaft No1 lifeboat port side D. abaft No1 lifeboat starboard side

[1341] A band or collar on the top end of a boom to which the topping lift, midships guy, and outboard guys are secured, is called the .

- A. collar band B. guy band C. pad eye collar D. spider band

[1342] Error may not be introduced into a magnetic compass by

- A. making a structural change to the vessel B. a short circuit near the compass

C. belt buckles D. radar installation

[1343] Which of the following best indicates how many tons of cargo a ship can carry? .

A. Bale cubic B. Deadweight C. Gross tonnage D. Net tonnage

[1344] _____ sends a radio signal from the bottom of the ship to the sea-bed ,from which it is re?flected.

A. The marine sextant B. The chronometer

C. The echo sounder D. The radar

[1345] A vessel will NOT show sidelights when .

A. underway but not making way B. making way, not under command

C. not under command, not making way D. trolling underway

[1346] A disadvantage of using chain lashing on heavy vehicles aboard Ro-RO vessels is that it is _____

A. heavy B. easily damaged

C. affected by temperature D. costly relative to the strength ratio

[1347] A safe pilotage relies on greatly the following except _____ .

A. lighting at night time B. the ship's characteristics

C. the nationality of the vessel D. responsible officer in attendance

[1348] Which bend or knot is used to tie a small line to a larger one? _____ .

A. Becket bend B. Bowline C. Clove hitch D. Lark's head

[1349] Uncoiling manila line improperly can result in a(n) _____ .

A. number of fishhooks B. kink in the line

C. 50% loss of efficiency of the line D. increase in deterioration of the line

[1350] A wooden plug fitted tightly in the vent of a damaged tank may prevent the tank from

A. filling completely B. developing free surface

C. developing free surface moment D. collapsing

[1351] When a vessel is stationary and in a hogging condition, the main deck is under .

A. compression stress B. tension stress

C. shear stress D. racking stress

[1352] Permission is kindly requested to _____ in celebration of our National Day. .

A. dress my ship overall B. raise my ship overall

C. hoist my ship overall D. display my ship from stem to stern

[1353] a weather map is a synoptic data because it .

A. summarizes a great deal of information B. can be interpreted accurately

C. appears daily D. is prepared by the Weather Bureau

[1354] When a boat turns broadside to heavy seas and winds, thus exposing the boat to the danger of capsizing, the boat has .

A. broached B. pitchpoled C. trimmed D. yawed

[1355] Stop the derrick at once, the gooseneck is bent.

A. to use B. to operate C. maneuvering D. using

[1356] As a last resort, a tourniquet can be used to .

A. hold a victim in a stretcher B. stop uncontrolled bleeding

C. hold a large bandage in place D. restrain a delirious victim

[1357] When warm moist air is blown over a colder surface, will happen

A. advection fog B. radiation fog C. dense fog D. thick fog

[1358] The forward draft of your ship is 27'11" and the after draft is 29'03". The draft amidships is 28'05". Your vessel is _____.

A. hogged B. sagged C. listed D. trimmed by the head

[1359] A enables the ship to proceed at a good speed over the ground with very little speed on the engines.

A. following current B. port-side current C. starboard-side current D. head current

[1360] A half-height container is used .

A. to carry cargoes of low density

B. when stowage space is limited

C. to carry cargoes such as steel products or drums

D. to double the stowage capacity of the vessel

[1361] A buoy having red and green horizontal bands would have a light characteristic of .

A. interrupted quick flashing B. composite group flashing

C. morse (A) D. quick flashing

[1362] All vessels when transiting the port limits or approach channels, or at anchor in Bahrain waters must monitor .

A. the Channel 74 B. the Channel 47

C. the Channel 24 D. any Channel

[1363] Which device is required in the fuel supply line at the engine? .

A. Flow meter B. Shut-off valve

C. Pressure gauge D. Filter

[1364] A wobbling tail shaft is an indication of .

A. shallow water B. an engine that is misfiring

C. a tight tail shaft gland D. worn stem bearing or misalignment

[1365] A floating vessel will behave as if all of its weight is acting downward through the .

A. center of gravity B. center of buoyancy

C. center of flotation D. metacenter

[1366] is the main center-line structural member, running fore and aft along the bottom of a ship, sometimes referred to as the backbone.

A. Frame B. Deckbeam C. Stringer D. Keel

[1367] The short-long dashed magenta lines parallel to York River Entrance Channel mark

A. fish trap areas B. naval exercise areas

C. underwater cables D. recommended track lines

[1368]What does MBDD mean on the load waterline mark? .

A. Timber tropical load waterline B. Timber summer load waterline

C. Timber winter load waterline D. Timber winter North Atlantic load waterline

[1369]In reading a weather map,closely spaced pressure gradient lines would indicate .

A. high winds B. high overcast clouds

C. calm or light winds D. fog or steady rain

[1370] is not a cold injury.

A. Constipation B. Cold diuresis C. Dehydration D. Fatigue

[1371] generally indicates the gale or storm is approaching.

A. Falling barometric pressure B. Rising barometric pressure

C. The circulations of winds D. The change of wind direction

[1372] A loose tow may cause all of the following EXCEPT .

A. loss of maneuverability B. lines to part

C. damage to the towing vessel and tow D. a saving in the transit time

[1373] Dunnage may be used to protect a cargo from loss or damage by .

A. ship's sweat B. inherent vice

C. tainting D. hygroscopic absorption

[1374] is not a process of weathering of the oil spilled in the sea water.

A. Evaporation B. Dispersion C. Emulsification D. Drifting

[1375] When the movement of engine is no longer required the pilot usually gives the order like this

A. stop engine B. nothing to port

C. finish engines D. finished with engines

[1376] After each container has been stuffed, responsible personnel will ensure that the doors have been securely closed and are watertight and a _____ has been placed on the container.

A. real B. deal C. seal D. meal

[1377] The bridge is fitted _____ two radars.

A. before B. with C. from D. on

[1378] The correct method of switching off a marine radar is to turn power switch to _____ position first, then to _____ position.

A. off/standby B. standby/off C. standby/close D. close/standby

[1379] What does not contribute to the commercial GPS receiver position error? _____ .

A. Satellite clock B. Ship's speed C. Atmospheric/ionospheric propagation D. Receiver

[1380] What is the greatest danger of an overriding tow? _____ .

A. Fouling of the towing hawser

B. Loss of steering

C. Tripping

D. Collision between the tow and the stern of the towing vessel

[1381] Which knot reduces the strength of a line by the LEAST amount? _____ .

A. Bowline B. Clove hitch C. Sheet bend D. Two half hitches

[1382] When the captain wants to use no engines after ship's got alongside, he usually orders

A. finish engines B. finish with engines

C. engines finished D. finished with engines

[1383] Charts should be corrected by using information published in the _____ .

A. light List B. American Practical Navigator C. notice to Mariners D. coast Pilot

[1384] While underway, AIS broadcast all of the following information every 1 to 10 seconds EXCEPT the _____ .

A. speed over ground B. latitude and longitude

C. course over ground D. ship's scantlings

[1385] I can not take any actions to avoid close quarters situation with you, because your navigation lights _____ .

A. is not visible B. are not invisible

C. are not visible D. can easily be seen

[1386] It has often been stressed in the Courts that the look-out man should, preferably, be stationed

forward, unless weather conditions make this .

A. possible B. practicable C. impossible D. probably

[1387] In the horizon system of coordinates what is equivalent to Latitude on the Earth? .

A. Altitude B. Zenith C. Declination D. Zenith distance

[1388] The outer limit of the Traffic Separation Schemes is : assent as necessary to comply with the port regulations.

A. subjecting B. subject C. subjected D subject to

[1389] The radar component that generates the radio-frequency energy a rem of short powerful pulses is which of the following? _____

A. Magnetron B. Receiver C. Indicator D. Modulator

[1390] What is the tidal height? .

A. Twice the tide amplitude

B. The range of the tide

C. The water above the Lowest Astronomical Tide

D. The height above or under the mean level

[1391] An ABC dry chemical fire extinguisher would be LEAST effective against a fire in

A. a mattress B. spilled liquids such as oil or paint

C. high voltage electrical gear D. a trash can

[1392] Which information will AIS not provide to appropriately equipped shore stations, vessels and aircraft? .

A. Vessel's type B. Vessel's course

C. Navigational status D. Number of crew on board

[1393] If kinking results while wire rope is being coiled clockwise, you should .

A. coil it counterclockwise B. not coil it

C. take a turn under D. twist out the kinks under a strain

[1394] Cargo contaminated due to failure to provide clean holds prior to loading is an example of _____

A. lack of due diligence B. restraint of princes

C. inherent vice D. latent defect

[1395] An orange and white buoy marking an area where operating restrictions are in effect will be marked with which symbol? _____ .

A. Open-faced diamond B. Diamond with a cross

C. Circle D. Rectangle

[1396] Fire and abandon ship stations and duties may be found on the .

- A. crewman' s duty list B. certificate of Inspection
C. shipping articles D. muster list

[1397] Solid green arrows on the main body of a pilot chart indicate_____

- A. prevailing wind directions B. prevailing ocean current directions
C. probable surface current flow D. shortest great circle routes

[1398] provides a paper trace of course steered by the vessel against time.

- A. The echo sounder B. The radar
C. The course recorder D. The direction finder

[1399] Which tool is used to open the strands of fiber lines when making an eye splice?

- A. Belaying spike B. Fid C. Heaver D. Pricker

[1400] Lifeboats are numbered Odd numbers to starboard and even numbers to port.

- A. from forward to aft B. from aft to forward . .
C. at master's option D. as per owner's instruction

[1401] ANCHOR HAS ITS OWN CABLE TWISTED AROUND IT defines

- A. foul of anchor B. dropping anchor
C. weighing anchor D. walking back anchor

[1402]The reaction of a gyrocompass to an applied force is known as

- A. precession B. earth rate
C. gyroscopic inertia D. gravity effect

[1403]Trough 25N 161W 16N 162 W will remain and tropical cyclone 23N 139W ____

- A. stationary, occluding B. occluding .stationary
C. stationary, stationery D. occluding , occluding

[1404] If your propeller is racing in rough weather.vou should

- A. decrease your engine speed
B. ignore it
C. increase your engine speed
D. stop your engine until the rough weather passes

[1405]The strake on each side -of the keel is called a .

- A. sheer strake B. gatewood strake C. insulation strake D. garboard strake

[1406]The water spray fire protection system of fire-protected lifeboats was tested every 3 months, the abandon ship

drill.

A. combining with B. combined with C. combining to D. combined to

[1407] The system will accept a harbor map which is incorrect, therefore the operator must {exercisecaution} in harbor selection.

A. be considered B. be prudent C. be bold enough D. be careless

[1408] An orange flag showing a black circle and square is a

A. signal indicating a course change

B. distress signal

C. signal of asking to communicate with another vessel

D. signal indicating danger

[1409]Simplified Harmonic Method is a_____ .

A. navtex and SafetyNET information B. windows-based tidal prediction program

C. admiralty Tide Tables D. tidal Stream Atlases

[1410] Which mooring line is likely to undergo the most strain when docking a ship under normal conditions? .

A. Bow line B. Breast line C. Spring line D. Stern line

[1411]If you are bunkering and you close off one tank in the line of tanks being filled,the rate of flow to other open tanks on the same line will

A. increase B. decrease C. stop D. remain constant

[1412] Most large anchors are manufactured with a .

A. bow type shackle B. D-type shackle C. U-type shackle D. kenter shackle

[1413] The Chief Checker reminded the Chief Officerthe dried turnips on top of the tur?pentine.

A. to put not B. not to put C. of putting D. of not putting

[1414] Universal time (UTI) is another name for .

A. sidereal time B. greenwich mean time

C. ephemeris time D. atomic time

[1415] A tourniquet should be used to control bleeding ONLY .

A. with puncture wounds B. when all other means have failed

C. when the victim is unconscious D. to prevent bleeding from minor wounds

[1416] Place names used on board ships should be those .

A. specified by international authorities B. specified by national authorities

C. on standard map D. on the chart or Sailing Directions in use

[1417] The permanent dunnage attached to the frames of the ship that aids in ventilation is (are) the .

A. hatch boards B. tank top C. hatch beams D. sweat battens

[1418] A Class A AIS unit _ _ _ the information every 2 to 10 seconds while underway, and every 3 minutes while at anchor at a power level of 12.5 watts.

A. broadcasts B. gives C. speaks D. tells

[1419] Any person maintaining a listening watch on a bridge to bridge radio-telephone must be able to.

A. speak English B. repair the unit C. speak Spanish D. send morse code

[1420] A vessel has a strong wind on the port beam. This has the same effect on stability as

A. weight that is off-center to starboard B. increasing the draft
C. reducing the freeboard D. increasing the trim

[1421] is not a type of enzymes degrading oils spilled at sea.

A. Oxygenases B. Dehydrogenases C. Hydrolases D. Heterotrophic bacteria

[1422] CALDOVREP is .

A. a pilot station
B. a port
C. a mandatory ship reporting system
D. a vessel commences its voyage from a location beyond one limit of the inshore traffic zone

[1423] By the sole fact of using the Canal Waters, Masters and Owners of vessels themselves to accept all the conditions of the present Rules of Navigation.

A. lash B. fasten C. bind D. tie

[1424] A vessel with a large GM will .

A. have more resistance to listing in case of damage
B. have less tendency to have synchronous rolling
C. be less likely to have cargo shift
D. ride more comfortably

[1425] The Vessel is fully with the necessary gear and equipment required for transiting the St. Lawrence Seaway and Great Lakes.

A. equipped B. had C. installed D. established

[1426] No oil or mixture containing oil into Singapore waters from any vessel.

A. shall not be discharged B. shall be discharged

C. shall be filled D. shall not be filled

[1427]If the towline parts, you should .

- A. start towing by pushing ahead B. abandon the towing vessel
C. retrieve the tow bridle D. relieve strain on the retrieving line

[1428] What is the purpose of a Pedestal Roller? .

- A. To change the direction of lead on a mooring line
B. To secure a chain
C. To secure the eye of a mooring line
D. To facilitate towing

[1429]Most very large ocean going vessels, such as bulk carriers and large tankers, tend to squat

- A. by the bow B. by the stern
C. at the end nearest the bottom D. evenly fore and aft

[1430]Fog is likely to occur when there is little difference between the dew point and the

- A. relative humidity B. air temperature C. barometric pressure D. absolute humidity

[1431] A spanner is a .

- A. cross connection line between two main fire lines
B. special wrench for the couplings in a fire hose line
C. tackle rigged to support a fire hose
D. special knife

[1432] A star adjacent to the number of a notice indicates that the notice is based on

- A. original information B. further guidance
C. sailing directions D. crts and associated publications

[1433] How many operators are needed/required on board according to the provisions of the International Convention for the Safety of Life at Sea, 1974? .

- A. 4 operators B. 3 operators C. 2 operators D. 1 operator

[1434] The measurement of the amount of force a towing vessel is capable of applying to a motionless tow is called .

- A. shaft horsepower B. delivered horsepower
C. bollard pull D. towrope pull

[1435] Unlike wires, synthetic ropes do not give audible of pending failure and may not exhibit any broken elements before completely parting.

- A. signal B. picture C. track D. sign

[1436] In the relatively calm area near the hurricane center, the seas are .

- A. moderate but easily navigated
- B. calm
- C. mountainous and confused
- D. mountainous but fairly regular as far as direction is concerned

[1437] When a pilot will say MAKE ALL LINES FAST.

- A. the ship is very close to the pier
- B. the ship is about to be in position
- C. the ship is in position
- D. the ship is getting alongside the pier

[1438] I should like to rent a house, modern, comfortable and in a quiet neighborhood.

- A. all in all
- B. after all
- C. above all
- D. over all

[1439] Cirrus clouds are composed primarily of _.

- A. ice crystals
- B. water droplets
- C. snow crystals
- D. nitrogen

[1440] Bleeding from a vein may be ordinarily controlled by _.

- A. applying direct pressure to the wound
- B. heavy application of a disinfectant
- C. pouring ice water directly onto the wound
- D. pinching the wound closed

[1441] While retrieving the survival craft, the engine should be stopped .

- A. when the craft clears the water
- B. when the cable has been attached
- C. on approach to the platform
- D. at the embarkation deck

[1442] Which is NOT a type of seizing of wire? .

- A. Flat seizing
- B. Racking seizing
- C. Throat seizing
- D. Tube seizing

[1443] A common means of connecting shots of anchor chain in the field is to use a .

- A. sprocket
- B. kenter link
- C. swivel
- D. end shackle

[1444] After the accident, the damaged Glass Goods marked " DEF" destined to Huangpu were

- A. reloaded on board the ship
- B. discharged from the ship
- C. admitted for reshipment
- D. remained on board for repair

[1445] In towing, chocks are used to .

- A. protect the towline from chafing
- B. secure the end of the towline on the tug
- C. stop off the towline while retrieving it
- D. absorb shock loading on the towline

[1446]A vessel when underway shall so far as possible, keep out of the way of a vessel not under command.

- A. having engaged in fishing
- B. engaging in fishing

C. engaged in fish D. engaged in fishing

[1447] Data relating to the direction and velocity of rotary tidal currents can be found in the

A. mariner's Guide B. tidal Current Tables

C. nautical Almanac D. tide Tables

[1448] A vessel is wind rode when it is .

A. at anchor and heading into the wind

B. backing into the wind

C. carrying lee rudder

D. necessary to apply a leeway correction to the course

[1449] What is an advantage of the 6 x 37 class of wire rope over the 6 x 19 class of wire rope of the same diameter? .

A. Flexibility B. Resistance to corrosion

C. Resistance to elongation D. Lower weight per foot

[1450] Connecting elements of a mooring system should be fabricated from .

A. cast iron B. forged steel

C. stainless steel D. cast steel

[1451] According to IMO regulations, shall be posed outside lifeboat?

A. the retro-reflective tapes B. the reflective tapes

C. the flashing bands D. the anti-flashing bands

[1452] The lunar day is also known as the .

A. lunital interval B. vulgar establishment of the port

C. nodal day D. tidal day

[1453] A documented vessel operating over 50 miles offshore must carry an inflatable liferaft with a

A. SOLAS a pack B. SOLAS b pack

C. coastal pack D. small vessel pack

[1454] You are heading in a northerly direction when you come across an easterly current. Your vessel will _____

A. be pushed to starboard B. be pushed to port

C. decrease in engine speed D. remain on course

[1455] The abbreviation RYC in a marine cable generally stands for .

A. referring to your crew B. reference for your captain

C. return to your cabin' D. received your cable

[1456] AREAS WHICH CANNOT BE SCANNED BY THE RADAR OF THE VESSEL BECAUSE THEY ARE SHIELDED BY PARTS OF ITS

SUPERSTRUCTURE,MASTS,ETC means_____

- A. blind sectors B. sheltered area
C. unseen area D. unscannable area

[1457]In response to a stressor is an indication that your body prepared to "flee".

- A. eyes become big B. breathing rate increasing
C. senses becoming more acute D. muscle TENSION decreasing

[1458] You are making a telephone call ship-to-shore using the VHF-FM service. You can tell thatthe working channel is busy if you hear except _____.

- A. speech B. signaling tones C. a busy signal D. nothing

[1459] Which knot is used to attach two different sized lines together? .

- A. Granny knot B. Sheet bend C. Square knot D. Thief knot

[1460] When towing astern, one way to reduce yawing of the tow is to .

- A. trim the tow by the stern B. trim the tow by the head
C. have the tow on an even keel D. list the low on the side it is yawing

[1461] A position obtained by applying only your vessel' s course and speed to a known position is a

- A. dead-reckoning position B. fix
C. probable position D. running fix

[1462] do not colonize onto hull of ships.

- A. Barnacles B. Algae
C. Fouling marine organisms D. Cuprous copper) compounds

[1463] The wheel order STEADY means .

- A. the steering gear is very stable
B. the rudder is to be held in the fore and aft position
C. reducing swing as rapidly as possible
D. reducing amount of rudder angle to certain degrees

[1464] If the circumstances admit, of small alteration of course and speed shall not be taken to avoid collision.

- A. depression B. oppression C. succession D. possession

[1465] A spark arrestor .

- A. keeps sparks from falling into an open tank
B. secures covers on ullage openings
C. prevents sparks from getting out of an engine's exhaust system

D. grounds static electricity

[1466] Carbon dioxide as a fire fighting agent has which advantage over other agents? .

A. It causes minimal damage B. It is safer for personnel

C. It is cheaper D. It is most effective on a per unit basis

[1467] during the voyage any case or suspected case of plague, cholera, yellow fever, smallpox, typhus or relapsing fever?

A. Has there been B. Have there been C. Has there D. Have there

[1468]In areas where {margins} of safety are very small, account will have to be taken of the time and space needed to bring the ship around to a new course.

A. boundary B. allowance C. balance D. breath

[1469] While underway at night you observe a vessel's range lights in line off your starboard beam. You should .

A. come right B. sound the danger signal

C. continue on your course D. come left

[1470] A stretch where the channel changes from one side of the river to the other is called a

A. bifurcation B. transit C. crossing D. changeover

[1471] Heavy fuel oils when spilled are .

A. more harmful to sea life than lighter oils B. easier to clean up than lighter refined oils

C. less harmful to sea life than lighter oils D. not a real threat to marine life

[1472]Therefore you are requested to arrange { promptly} for the above mentioned amount of additional cargo to be loaded on board.

A. in due course B. on time C. in time . D. swiftly

[1473] Which of the following is not a data-layer category to be displayed on ECDIS?

A. ECDIS warnings and messages B. Hydrographic Office data

C. Notice to Mariners information D. Sailing directions

[1474]Ships' masters are requested to ensure that, while their vessels are calling at this port, all discharge outlets are

A. opened B. kept half opened

C. blocked up D. kept half closed

[1475] In order for combustion to occur inside a piping system such as a vapor collection header in a marine emission control system, is not one of the three factors.

A. fuel B. oxygen C. ignition D. nitrogen

[1476] Any damages/compensation shall be strictly limited to a refund of the price paid to the Vendor for .

- A. the effected Goods
- B. the affected Goods
- C. the imperfect Goods
- D. the selected Goods

[1477] What should be used to steer an open lifeboat if the rudder becomes lost or damaged?

- A. Sea anchor
- B. Steering oar
- C. Spare rudder
- D. Daggerboard

[1478] Chart legends which indicate a conspicuous landmark are printed in .

- A. capital letters
- B. italics
- C. boldface print
- D. underlined letters

[1479] Do you need to measure oxygen levels before entering an enclosed space? .

- A. Yes, always
- B. Yes, but
- C. Not, if you have measured for toxic gases
- D. Yes, but not if you have ventilated properly for 24 hours

[1480] Which is an indication of reserve buoyancy?

- A. Metacentric height
- B. Righting moment
- C. Rolling period
- D. Freeboard

[1481] COLREG NO. 10 applies to .

- A. vessels sailing in any condition of visibility
- B. vessels sailing in reduced visibility
- C. vessels sailing in good visibility
- D. vessels sailing in separation schemes

[1482] Which vessel is underway according to the Rules?

- A. A vessel made fast to a single point mooring buoy
- B. A purse seiner hauling her nets
- C. A pilot vessel at anchor
- D. A vessel which has run aground

[1483] You are picking up a person that has fallen overboard. A small craft should approach the victim with the

- A. victim to leeward
- B. victim to windward
- C. wind on your port side
- D. wind on your starboard side

[1484] A vessel engaged in trawling will show identification lights of .

- A. a red light over a white light
- B. a white light over a red light
- C. a green light over a white light
- D. two red lights in a vertical line

[1485] When connecting the tow bridle to a tug, the end of the bridle is passed with a .

A. heaving line B. shot line C. high line D. messenger line

[1486] A vessel engaged in fishing during the day would show .

- A. one black ball B. two cones with bases together
C. a cone, apex downward D. two cones, apexes together

[1487] A signal of one prolonged, one short, one prolonged, and one short blast, in that order is given by a vessel .

- A. engaged on pilotage duty B. in distress
C. at anchor D. being overtaken in a narrow channel

[1488] If a vessel of special construction cannot fully comply with the Rules, her degree of compliance shall be determined by

- A. IMO B. the owners of the vessel
C. the government D. the builder

[1489] No damage of any kind aids to navigation or navigation facilities.

- A. should be done to B. should not be done to
C. must be done with D. must not be done with

[1490] Faking a line means to

- A. arrange it on deck in long bights B. coil it down on deck
C. put a whipping on it D. stow it below

[1491] If you have steel wire ropes leading in the same direction with other ropes, which will take the most of the load? .

- A. Steel wire rope B. Manila
C. Nylon D. Polypropylene rope

[1492] A " Mediterranean moor" should be used .

- A. when anchoring in the Mediterranean B. when docking stern to a berth
C. when docking bow to a berth D. when anchoring in a strong current

[1493] A vessel transferring cargo while underway is classified by the Rules as a vessel .

- A. restricted in her ability to maneuver B. in special circumstances
C. not under command D. constrained by her draft

[1494] Navigational charts are subject to frequent changes, the important ones of which are promulgated by .

- A. admiralty notices to mariners B. mariner's handbook
C. catalogue D. sailing directions

[1495] You are operating a ship greater than 400 gross tons. You are NOT permitted to carry oil or hazardous materials in a(n) _____ .

- A. forepeak tank B. afterpeak tank
C. deep tank D. on-deck portable tank

[1496] A katabatic wind blows _____ .

- A. up an incline due to surface heating
B. in a circular pattern
C. down an incline due to cooling of the air
D. horizontally between a high and a low pressure area

[1497] A fire has broken out on the stern of your vessel. You should maneuver your vessel so the wind _____ A.
blows the fire back toward the vessel B. comes over the bow

- C. comes over the stem D. comes over either beam

[1498] _____ is the average height of all low waters at a given place.

- A. MLW B. MLWS C. MLLW D. TcLLW

[1499] At a scale of 1:600 000, a chart user who is capable of plotting to a precision of 0.2 millimetres must appreciate that this represents approximately _____ metres on the ground.

- A. 200 B. 120 C. 60 D. 20

[1500] Therefore you are requested to arrange soonest possible for the above-mentioned amount of additional cargo _____ on board.

- A. loading B. to load C. to ship D. to be loaded

[1501] A semisubmersible which will not remain upright and will assume a list either to port or starboard is likely to have ..

- A. a large TCG B. a negative GM
C. excessive ballast D. insufficient deck load

[1502] VSL NOW OUTSIDE CAPETOWN WTG BERTH ETB END SEPT / EARLY OCT ANY FURTHER CHNG WL KEEP U INFMD.

The vessel will probably get alongside on _____ .

- A. 11 SEPT B. 21 SEPT C. 1 OCT D. 11 OCT

[1503] A vertical shift of weight to a position above the vessel's center of gravity will _____ .

- A. increase reserve buoyancy B. decrease the righting moments
C. decrease KG D. increase KM

[1504] A stream of water immediately surrounding a moving vessel's hull, flowing in the same direction as the vessel is

known as .

A. directional current B. forward current

C. propeller current D. wake current

[1505] In order to pay out or slack a mooring line which is under strain ,you should .

A. sluice the line B. surge the line C. stopper the line D. slip the line

[1506] are two vertical supports, usually steel, one each side of the centerline of the ship used to support booms.

A. Shrouds B. King posts C. Stays D. Turnbuckles

[1507] A carbon dioxide fire extinguisher should be recharged .

A. at least annually B. whenever it is below its required weight

C. only if the extinguisher has been used D. before every safety inspection

[1508] A SEA ROOM TO BE KEPT FOR SAFETY AROUND A VESSEL, ROCK, PLATFORM, ETC., OR THE PLACE ASSIGNED TO A VESSEL WHEN ANCHORED OR LYING ALONGSIDE A PIER, ETC means .

A. port B. commercial area C. berth D. roadstead

[1509] A vessel restricted by its ability to manoeuvre by the nature of its work or its deep draft is

A. hampered vessel B. giving way vessel

C. vessel not under control D. disabled vessel

[1510] Which vessel is "underway" under the Rules of the Road? .

A. A vessel at anchor with the engine running

B. A vessel with a line led to a tree onshore

C. A vessel drifting with the engine off

D. A vessel aground

[1511] Which vessel, when anchored at night, is NOT required to show anchor lights? .

A. A power-driven vessel B. A vessel engaged on pilotage duty

C. A vessel dredging D. A vessel restricted in her ability to maneuver

[1512] The expenses for the loading of trucks and heavy cargo and the necessary materials for lash?ing thereof will be charged to account.

A. the supercargo's B. the shipper's

C. the shipowner's D. carrier's

[1513] A ship's forward draft is 22'04" and its after draft is 23 W. The draft amidships is 23'04". This indicates a concentration of weight

A. at the bow B. in the lower holds C. amidships D. at the ends

[1514] A cargo boom is a .

- A. double sized mattress consists of more than 890 coils
- B. spar extending from a mast or a king post
- C. the rudder's trailing edge
- D. bridle

[1515] A whistle signal of one prolonged, one short, one prolonged and one short blast, is sounded by a vessel .

- A. at anchor
- B. towing a submerged object
- C. being overtaken in a narrow channel
- D. in distress

[1516] When a line is laid down in loose, looping figure-eights, it is said to be .

- A. faked
- B. flemished
- C. coiled
- D. chined

[1517] Which type of hull damage should be repaired FIRST?

- A. Damage below the waterline
- B. Damage to interior watertight boundaries
- C. Damage in way of machinery rooms
- D. Damage at or just above the waterline

[1518] Your vessel is docking, but not yet alongside. Which line will be the most useful when maneuvering the vessel alongside the pier? .

- A. Bow breast line
- B. Bow spring line
- C. Inshore head line
- D. Offshore head line

[1519] A structure, usually made of stone, or cement pilings, which extends from the bank at approximately right angles to the current is called a .

- A. dike
- B. revetment
- C. cutoff
- D. crib

[1520] Molded depth is measured from the .

- A. inside of the shell
- B. outside of the shell
- C. top of the center vertical keel
- D. top of the garboard strak

[1521] I hereby declare that my vessel has a 15 400 metric tons.

- A. bale capacity
- B. grain capacity
- C. cargo capacity
- D. DWTC

[1522] A ship proceeding in shallow water with a speed of 10 knots and a mean draught of 10 meters, the estimated squat is .

- A. 0.8 meters
- B. 5.0 meters
- C. 11.0 meters
- D. 10.6 meters

[1523] When being towed by one tug, the towing bridle should be connected to towing .

- A. bitts with figure eights
- B. pad eyes with pelican hooks

C. pad eyes with safety hooks D. stoppers

[1524] A is created by a pressure gradient or slope in the water level.

A. gradient current B. density current C. swift current D. torrent current

[1525] A block that can be opened at the hook or shackle end to receive a bight of the line is a

A. bight block B. gin block C. heel block D. snatch block

[1526] A fairly accurate estimation of a ship's position can be calculated by a technique known as

A. dead reckoning B. pilotage

C. great circle sailing D. geographic navigation

[1527] When inspecting wire rope that has been in use for some time, it is not necessary for one to look for

A. fishhooks B. kinks C. worn spots D. oil stains

[1528] In the absence of external forces, the center of gravity of a floating vessel is located directly above the

A. metacenter B. amidships

C. center of flotation D. geometric center of the displaced volume

[1529] is not a static load.

A. Actual weight of the ship's structure, outfitting, equipment and machinery

B. Ballast load (weight)

C. Cargo load

D. Slamming and sloshing load

[1530] A device fitted over the discharge opening on a relief valve consisting of one or two woven wire fabrics is called a _____.

A. flame stopper B. flame screen C. flame filter D. flame restrictor

[1531] is not the Chief Petty Officer's job.

A. To compute effects of wind and current B. To rig for lowering and being towed

C. To compute the strength of the ship D. To keep records and logs

[1532] a number of home-made nautical instruments and foreign-made meters on the bridge.

A. Have B. Has C. There is D. There are

[1533] The preferred method of controlling external bleeding is by _____.

A. direct pressure on the wound B. elevating the wounded area

C. pressure on a pressure point D. a tourniquet above the wound

[1534] An anemometer on a moving vessel measures

A. apparent wind speed only B. true wind speed and true wind direction

C. true wind speed only D. apparent wind speed and true wind direction

[1535] In order to benefit from the use of storm oil in heavy seas, the storm oil should be spread

A. around the rudder and screws B. completely around the vessel

C. to leeward of the vessel D. to windward of the vessel

[1536] Compared to internal structural plating, the exterior hull plating on a vessel is usually _____

A. stronger B. thinner

C. more corrosion resistant D. a lower grade steel

[1537] If a mooring line should part while you are tying up at a dock, you should make a temporary eye by tying

a _____

A. becket bend

B. clove hitch

C. bowline

D. square knot

[1538] Which is a part of a vessel' s standing rigging? _____

A. Sheet

B. Backstay

C. Topping lift

D. Downhaul

[1539] With respect to AIS which of the following information is broadcast every one to ten seconds? _____

A. Vessel' s draft

B. Air Draft

C. Navigational status

D. Dimensions of vessel

[1540] According to the Rules, when should lights be displayed? .

A. During the hours of darkness

B. At all times when underway

C. From sunset to sunrise and restricted visibility

D. Sunrise to sunset

[1541] A vessel moored with two anchors, sometimes, at an exposed roadstead to

A. aid turning the ship

B. obtain a fine bearing

C. increase ship swings to wind or tide

D. lighten the stress of anchor chains

[1542]If you must pump bilges while a vessel is in port,you should pump only

A .if discharge is led to a shore tank or barge

B. during the hours of darkness

C. on the outgoing tide

D. as much as is necessary

[1543] What is normally used to pass a mooring line to a dock? .

A. Distance line

B. Gantline

C. Heaving line

D. Tag line

[1544] The term BOLLARD PULL refers to a towing vessel's .

A. propulsion horsepower available B. pulling ability at cruise power

C. towing winch capability D. pulling ability under static conditions

[1545] For an upright vessel, draft is the vertical distance between the keel and the

A. waterline B. freeboard deck

C. plimsoll mark D. amidships section

[1546] Which type of link is generally used to connect shots of anchor chain? .

A. Detachable B. Open C. Pear shaped D. Stud link

[1547] You should plot your dead reckoning position .

A. from every fix or running fix B. from every estimated position

C. every three minutes in pilotage waters D. only in pilotage waters

[1548] is not necessarily exchanged between the master and the pilot before the pilotage commences.

A. The ship's characteristics B. Local conditions and rules

C. Navigational procedures D. Number of crew on board

[1549] is the average height of all low waters at a given place.

A. MLW B. MLLW C. ISLW D. TcHlw

[1550] An oil tanker operating with dedicated clean ballast tanks shall be equipped with .

A. slop tank B. an inert gas system

C. crude oil washing systems D. an oil content meter

[1551] Aboard a vessel, dividing the sum of the longitudinal moments by the total weight yields the vessel's_____ .

A. inclining moments B. righting moments

C. vertical moments D. longitudinal position of the center of gravity

[1552] The broken magenta lines (long and short dashes) in and around Mobjack Bay indicate_____

A. amphibious training areas B. grounds for dredge spoil

C. fish trap areas D. gunnery exercise areas

[1553] While underway, in fog, you hear a whistle signal of one prolonged blast followed by two short blasts. This signal is

sounded by a vessel_____ .

A. not under command B. being towed

C. on pilotage duty D. aground

[1554] We have come on board to check with you on the main items of repairs as stated in the_____

A. order list B. repair list C. store list D. spare parts list

[1555] A cloud of marked vertical development (often anvil-shaped) would be classified as_____

A. cirrus B. cirrocumulus C. altocumulus D. cumulonimbus

[1556] _____ is a high layer of cloud in the form of small flakes or cauliflower, white in colour with no dark shadows in between.

A. Cirrostratus B. Cirrus C. Stratus D. Altostratus

[1557] A Doppler log in the bottom return mode indicates the _____ .

A. velocity of the current B. bottom characteristics
C. depth of the water D. speed over the ground

[1558] You discover a leak in the fuel line to the engine. You should FIRST _____.

A. activate the CO2 system B. make a temporary repair with canvas or tape
C. start the bilge pump D. close the fuel valve at the tank

[1559] In case your vessel is involved in a casualty, you are required to make your logbooks, bell books, etc. ,available to _____ .

A. attorneys for opposition parties B. marine surveyors
C. MSA officials D. shippers and owners

[1560] You will find a limit switch on a _____ .

A. liferaft cradle B. radial davit
C. sheath-screw davit D. gravity davit

[1561] The condition where a ship on the end of a tow line is riding a wave crest at the same time as its tug rides a wave crest is known as riding in _____ .

A. synchronism B. harmony C. check D. step

[1562] A crew member has suffered frostbite to the toes of both feet. You should _____ .

A. immerse the feet in warm water B. warm the feet with a heat lamp
C. warm the feet at room temperature D. rub the feet

[1563] _____ is placed in the front of the ship under the water, which eases berthing or manoeuvring sideways at slow speed.

A. The bulbous bow B. The anchor C. The bow thruster D. The propeller

[1564] The helm command STEADY AS YOU GO means _____ .

A. steer the course you are on now
B. steer the course when the swing stops
C. maintain the rate of swing
D. don' t allow the vessel to swing off course so much

[1565] The common way to obtain your ship's position is _____

- A. keeping a close watch and lookout
- B. taking a radar range and bearing
- C. observing a radar target and listening to signals
- D. keeping a well clear caution

[1566] As oil pipe line connections were broken, _____ quantity of oil was caused to spill onto the wharf and into the dock water.

- A. a not knowing
- B. an unknowing
- C. an unknown
- D. a not known

[1567] A wedge of water building up between the bow and nearer bank which forces the bow out and away describes _____ .

- A. bank cushion
- B. bank suction
- C. combined effect
- D. bend effect

[1568] You receive word that a person has fallen overboard from the starboard side. You should FIRST _____ .

- A. notify the master
- B. put the wheel hard right
- C. put the engines full astern
- D. sound the man overboard alarm

[1569] A flashing green light displayed at a single lock means that the lock is _____ .

- A. ready for entrance
- B. ready for entrance, but gates cannot be closed completely
- C. being made ready for entrance
- D. not ready for entrance

[1570] The issue of Notices to Mariners of charts and these aids(Radar beacons) may be delayed until such time as they are assessed to be _____ .

- A. temporary
- B. permanent
- C. occasional
- D. steady

[1571] If a cargo of kerosene were considered too lean to explode, then it must be _____ .

- A. above the explosive range
- B. within the explosive range
- C. below the explosive range
- D. too rich

[1572] Your vessel is approaching a bend. You hear a prolonged blast from around the bend. You should _____

- A. back your engines
- B. stop your engines and drift
- C. answer with one prolonged blast
- D. sound the danger signal

[1573] Whose duty is it to examine and verify the vessel's classification and technical state and condition? _____ A.

- A. Tallyman's
- B. Marine surveyor's
- C. Cargo surveyor's
- D. Nautical inspector's

[1574] The Plimsoll mark on a vessel is used to_____ .

- A. align the vessel's tail shaft B. determine the vessel's trim
C. determine the vessel's freeboard D. locate the vessel's centerline

[1575] A serious loss of reserve buoyancy resulting from flooding any compartment of a ship will always_____

- A. increase the trim B. change the free surface effect
C. cause a serious list D. decrease ship stability

[1576] A current moving across a lock entrance toward the river or toward the dam is called a(n) _____

- A. cutoff B. outdraft C. lock wash D. springpool

[1577] The area between Block Island and Montauk Point that is bounded by dashed magenta lines is a _____

- A. naval exercise area B. fish trap area
C. submerged cable area D. restricted navigation area

[1578] You will find information about the duration of slack water in the_____

- A. tidal current tables B. tide tables
C. publications from CCSD. sailing directions

[1579] Your twin-screw vessel is moving ASTERN with rudders amidships. The starboard screw suddenly stops turning. Your vessel's head will_____ .

- A. go to port B. go to starboard C. remain stationary D. suddenly drop down

[1580] Safety goggles or glasses are NOT normally worn when .

- A. using a rotary grinder with an installed shield
B. letting go the anchor
C. handling wire rope or natural fiber line
D. painting with a spray gun

[1581] A compound fracture is a fracture in which .

- A. more than one bone is broken
B. the same bone is broken in more than one place
C. there is never any internal bleeding
D. the bone may be visible

[1582] A vessel engaged in mine clearance operations is called .

- A. a vessel restricted in her ability to maneuver
B. a vessel not under command
C. a vessel constrained by her draught

D. a vessel not under way

[1583] When towing, a tow hook is used to .

- A. provide quick release of the hawser
- B. pull a tow alongside
- C. attach a hawser to a tow which has no bitts or pad eyes
- D. join two hawsers for lengthening a tow

[1584] The primary hazard of liquefied petroleum gas and liquefied natural gas is_____ .

- A. pressure
- B. toxicity
- C. temperature
- D. flammability

[1585] Bulkheads which form part of the tanks on a vessel are stiffened to withstand . _____

- A. deck loads from above
- B. dynamic forces while afloat
- C. hydrostatic pressure
- D. over-pressurization

[1586] To reduce mild fever the MOST useful drug is_____ .

- A. bicarbonate of soda
- B. paregoric
- C. aspirin
- D. aromatic spirits of ammonia

[1587] After riveting is completed, the joints on the shell of a vessel are generally made watertight by_____

- A. faying
- B. caulking
- C. felt or canvas packing
- D. red lead

[1588] A vessel is equipped with a single right-handed screw. With rudder amidships and calm wind, the vessel will most likely back_____

- A. straight astern
- B. to port
- C. to starboard
- D. in no particular direction

[1589] A check line is .

- A. a safety line attached to a man working over the side
- B. used to measure water depth
- C. used to slow the headway of a barge
- D. used to measure the overhead height of a bridge

[1590] After a liferaft is launched, the operating cord .

- A. serves as a sea painter
- B. detaches automatically
- C. is used to rig the boarding ladder
- D. is cut immediately as it is of no further use

[1591] Whose duty is it to examine and verify the state and condition of the cargo carried on board? _____

- A. Tally man' s
- B. Marine Surveyor's
- C. Cargo Surveyor's
- D. Boarding Officer' s

[1592] At the master gyrocompass, the compass card is attached to the_____ .

- A. spider element
B. sensitive element
C. link arm
D. pickup transformer

[1593] You are communicating on the radiotelephone using plain English Which procedural word (proword) indicates that you have received another vessel's transmission" _____.

- A. Out
B. Over
C. Roger
D. Wilco

[1594] The two vessels underway may collide with _____,if they don't take immediate meas?ures.

- A. one to another
B. one the other
C. each the other
D. each other

[1595] Which type of ice is a hazard to navigation? _____ .

- A. Ice rind
B. Pancake ice
C. Frazil ice
D. Growlers

[1596] An occluded front is usually caused by a_____

- A. cold front becoming stationary
B. warm front becoming stationary
C. cold front overtaking a warm front
D. warm front dissipating

[1597] A sound signal of seven short blasts and one long blast given with the vessel' s sound system is_____

- A. safety alarm
B. distress alarm
C. fire drill alarm
D. general emergency alarm

[1598]On an anchor windlass, the wheel over which the anchor chain passes is called a_____ .

- A. brake compressor wheel
B. devil' s claw
C. wildcat
D. winchhead

[1599] A sling psychrometer is a(n) _____ .

- A. type of cargo gear
B. instrument used in celestial navigation
C. instrument used to measure relative humidity
D. instrument used to measure specific gravity

[1600] The term SHIFT THE RUDDER means _____ .

- A. change from right (left) to left (right) rudder an equal amount
B. use right or left rudder
C. check, but do not stop the vessel from swinging
D. put the rudder amidships

[1601] A dead reckoning (DR) plot_____ .

- A. ignores the effect of surface currents
B. is most useful when in sight of land

C. must be plotted using magnetic courses

D. may be started at an assumed position

[1602] A vessel reduces speed without backing. The rate that her speed through the water decreases depends primarily on the_____ .

A. vessel' s horsepower

B. sea state

C. number of propellers

D. vessel' s displacement

[1603] Continuous sounding of a fog whistle by a vessel is a signal . _____

A. that the vessel is anchored

B. to request the draw span of a bridge to be opened

C. of distress

D. that the vessel is broken down and drifting

[1604] When a helmsman receives the command PORT 15 DEGREES rudder,the helmsman's immediate reply should be_____ .

A. RUDDER IS PORT 15 DEGREES

B . AYE AYE SIR

C. PORT 15 DEGREES

D. No reply is necessary, just carry out the order

[1605] In the event of a fire, the doors to a stairtower must be closed to prevent the spread of fire by_____

A. convection B. conduction C. radiation D. ventilation

[1606] Which type of weld testing can be used to detect internal flaws? .

A. Magnetic particle B. Dye penetrant

C. Ultrasonic D. Chemical reaction

[1607] _____ is the offense against navigational rules and will make the ship unseaworthy with _____ the Shipowner responsible for all the consequences.

A. Overloading

B. Overtaking

C. Overboarding

D. Overlining

[1608] You are underway in fog and you hear one prolonged blast followed by two short blasts. This is a vessel_____ .

A. towing

B. engaged on pilotage duty

C. aground in a fairway

D. stopped and making no way through the water

[1609] A vessel behaves as if all of its weight is acting downward through the center of gravity, and all its support is acting upward through the_____ .

A. keel

B. center of buoyancy

C. tipping center

D. amidships section

[1610] How does foam extinguish an oil fire? .

A. By cooling the oil below the ignition temperature

B. By removing the fuel source from the fire

C. By excluding the oxygen from the fire

D. By increasing the weight of the oil

[1611] A high cube container is designed specifically to _____ .

A. carry low density cargoes

B. protect fragile cargoes

C. stow cargoes with concentrated weights such as machinery

D. carry cargoes of very low stowage factors

[1612] A survival craft being used to pick up a person who has fallen overboard from a vessel should approach the person _____ .

A. at a high rate of speed B. under oars

C. against the wind D. with the wind

[1613] While testing a cargo tank, your oxygen indicator reads 25% oxygen in the tank. You would then _____

A. enter the tank safely B. suspect the accuracy of the reading

C. ventilate the tank D. test for nitrogen

[1614] A gnomonic projection is based on a(n) _____ .

A. plane tangent at one point

B. cylinder tangent at the equator

C. cone tangent at one parallel

D. infinite series of cones tangent at selected parallels

[1615] A disk with a horizontal line through its center, equivalent to the summer load line, is called the _____

A. deadrise mark B. maximum allowable draft mark

C. plimsoll mark D. tonnage mark

[1616] Which one of the following is not a right way to call an unknown vessel on VHF? _____

A. According to her characteristics B. According to her cargo

C. According to her movements D. According to her crewmembers

[1617] Addition of weight above the center of gravity of a vessel will ALWAYS _____ .

A. reduce initial stability B. increase righting moments

C. increase GM D. increase the height of gravity

[1618] On a rigid liferaft (SOLAS B pack) which is equipped with all of the required equipment you may NOT find a _____

A. bailer B. sponge C. whistle D. fishing kit

[1619] Which space is deducted from gross tonnage to derive net tonnage? _____ .

A. Boatswain's stores

B. Companions and booby hatches

C. Passenger spaces

D. Mess room for both passengers and officers

[1620] A common class of wire rope used for mooring is the 6 x 19 class. What does the 6 represent? _____ .

A. Factor of safety

B. Number of wires per strand

C. Number of strands per wire rope

D. Number of wires in the core

[1621] Which vessel would display a cone, apex downward? _____ .

A. A fishing vessel with outlying gear

B. A vessel proceeding under sail and machinery

C. A vessel engaged in diving operations

D. A Vessel being towed

[1622] Current refers to the _____ .

A. vertical movement of the water

B. horizontal movement of the water

C. density changes in the water

D. rotating of the water

[1623] A 6x19 wire rope would be _____ .

A. 6 inches in diameter and 19 fathoms long

B. 6 inches in circumference with 19 strands

C. 6 strands with 19 wires in each strand

D. 19 strands with 6 wires in each strand

[1624] Please be advised that my vessel, MV Honguki, met with a heavy tropical storm _____ the present voyage from Singapore to Aden.

A. on

B. in C. at D. for

[1625] While loading bulk oil in a barge, you notice oil on the water alongside. What should you do FIRST? _____ .

A. Search the vessel for leaks B. Notify the terminal superintendent

C. Stop loading D. Notify the Coast Guard

[1626] Compared to manila line, size for size, nylon line _____ .

A. has less strength than manila line B. has more strength than manila line

C. is equivalent to manila line D. will rot quicker than manila line

[1627] When making up a tow connection, you should use _____ . _____ .

A. safety hooks B. plain eye hooks

C. round pin shackles D. screw pin shackles

[1628] _____ is a circular traffic lane used at junctions of several routes, within which traffic moves counterclockwise around a separation point or zone.

A. Traffic Lane B. Roundabout

C. Inshore Traffic Zone D. Two-way Route

[1629] _____ are liable to be stolen, pilfered or may be damaged due to improper handling or stowage.

A. Fragile or expensive cargoes B. Raw materials

C. Finished metallic products D. Manufactured goods of large size

[1630] A smooth, tapered pin, usually of wood, used to open up the strands of a rope for splicing is called a(n)

_____ .

A. batten B. bench hook C. awl D. fid

[1631] You wish to communicate by radiotelephone with a foreign vessel using the International Code of Signals. This is indicated by the signal _____ .

A. charlie quebec B. code C. kilo D. interco

[1632] An inflatable liferaft is hand-launched by _____ .

A. pulling a cord B. cutting the wire restraining bands
C. removing the rubber packing strip D. throwing the entire container overboard

[1633]To determine if a CO2 fire extinguisher is fully charged, you would _____ .

A. operate the trigger valve B. weigh the extinguisher
C. test with a pressure gauge D. read the date of last test

[1634] Defense plans may cause the operation of electronic aids to navigation to be suspended with _____

A. no notice B. one day's notice
C. a week's notice D. thirty (30) days notice

[1635] A pilot vessel on pilotage duty at night will show sidelights and a sternlight .

A. when at anchor
B. only, when making way
C. at any time when underway
D. only when the identifying lights are not being shown

[1636] When an INSTRUCTION(eg by a VTS station, naval vessel or other fully authorized person?nel) or an ADVICE is given, you are to respond in the affirmative by

A. I will/can... B. I may. .. C. I might. .. D. I should...

[1637] Backstays are .

A. running rigging leading aft from the masts
B. running rigging leading forward from the masts
C. standing rigging leading aft from the masts
D. standing rigging from the cross trees to the mast head

[1638] is a silvery cloud in the form of feathers or fibres seen high up against a blue sky.

A. Cumulonimbus B. Cirrus C. Cirrocumulus D. Altostratus

[1639] An anchored vessel on pilotage duty must show which light(s) at night? .

A. A sternlight only B. Anchor lights only

C. A white light over a red light only D. A white light over a red light and anchor lights

[1640] is not the cause of the set of ocean current.

A. Density differences of the water B. Rotation of the earth

C. Direction of primary circulation of air D. Coriolis force

[1641] is the integrated bridge system defined by IMO to comply with the up-to-date chart carrying requirements of international law.

A. GPS B. VDR C. AIS D. ECDIS

[1642] A cyclone in its final stage of development is called a(n) _____ .

A. tornado

B. anticyclone

C. occluded cyclone or occluded front D. polar cyclone

[1643] Which vessel in ocean service is not subject to Annex V of MARPOL 73/78? _____.

A. A 20-foot sailing vessel

B. A 26-foot tug and tow

C. An uninspected 35-foot passenger vessel

D. A Navy Destroyer

[1644] is not a process of weathering of the oil spilled in the sea water.

A. Emulsification

B. Sedimentation / Sinking

C. Oxidation including photooxidation

D. Burning organized by RCC

[1645] Hanging a barge off means to _____ .

A. moor a damaged barge to the bank and leave

B. remove and deliver a loaded barge from a multiple tow

C. remove a barge while locking through

D. tow an empty barge astern

[1646]To ensure the ship's general stability, _____ .

A. she's loaded a little deeper forward

B. she's loaded a little deeper aft

C. she has not any ballast at all

D. the cargo is properly distributed throughout the ship

[1647] When air is at its dew point it .

A. will contain no additional moisture B. has the lowest relative humidity

C. cannot keep up its moisture D. has a low absolute humidity

[1648] is the level at which the ship or port facility normally operates, requiring minimum security measures.

A. Security level 0 B. Security Level 1

C. Security Level 2 D. Security Level 3

[1649] The case for Dangerous Goods in question was badly crushed and was returned to dock shed and_____

A. short-landed B. short-shipped

C. short-discharged D. short-operated

[1650] Which vessel may show three lights in a vertical line, the top and bottom being red and the middle being white?

_____ .

A. A vessel engaged in diving operations

B. A pilot vessel

C. A vessel trawling

D. A towing vessel

[1651] If you are transmitting a distress message by radiotelephone you should_____ .

A. use English language

B. always use the International Code

C. preface it by the word SOS

D. follow the transmission with the radio alarm signal

[1652] An inflatable liferaft should be lifted back aboard the ship by using_____ .

A. the single hook at the top of the raft

B. two lines passed under the raft

C. the towing bridle

D. the fittings to secure a watertight door

[1653] When a wind blows round clockwise, it is_____

A. variable

B. changing

C. backing

D. veering

[1654] As an extinguishing agent, foam_____ .

A. conducts electricity

B. should be directed at die base of the fire

C. is most effective on burning gases which are flowing

D. extinguishes by cooling oil fires below ignition temperature

[1655] typically extends from close as 0. 1 nautical miles out to 32 NM.

A. EBL B. VRM

C. CRT D. Target tracking range

[1656] A Kort nozzle is a(n) .

A. hollow tube surrounding the propeller used to improve thrust

B. nozzle attached to a firefighting hose

C. intake valve on a diesel engine

D. piston cylinder on a diesel engine

[1657] The survey that the ship complied with the requirements of the regulations annexed to the said Convention.

A. showed B. expressed C. described D. stated

[1658] As soon as the ship is berthed, you should lower the gangway, stretch a net it, and adjust it to the rise and fall of the tides so that personnel may embark or disembark in safety.

A. over B. besides C. near D underneath

[1659] You hear the general alarm and ship's whistle sound for over 10 seconds. Traditionally, this is the signal for_____.

A. abandon ship B. dismissal from fire and emergency stations

C. fire and emergency D. man overboard

[1660] As you hold a piece of manila line vertically in front of you. Lie strands run from the lower left to the upper right.

Which type of line is this? _____

A. Right-hand laid B. Cable-laid C. Sennet-laid D. Water-laid

[1661] The ARPA may swap targets when automatically tracking if two targets_____ .

A. are tracked on reciprocal bearings B. are tracked at the same range

C. are tracked on the same bearing D. pass close together

[1662] In towing, heaving lines are used for_____ .

A. passing a tow bridle to the tug B. passing a messenger line

C. heaving in the tow bridle D. service lines with rocket line throwers

[1663] Enquiries regarding the Maritime Mobile Service may be made to the Supervisor at either Singapore Radio_____the International Telephone Exchange as appropriate.

A. and B. nor C. with D. or

[1664] A flame screen_____ .

A. permits the passage of vapor but not of flame

B. prevents the passage of flammable vapors

C. prevents inert gas from leaving a tank ,

D. permits vapors to exit but not enter a tank

[1665] Chemical Tankers are generally referred to the cargo ships constructed or adapted and used for the carriage of_____ .

A. liquid chemicals in bulk B. solid chemicals in bulk

C. chemicals in bulk D. cargoes in bulk

[1666] To turn over a liferaft that is floating upside down, you should pull on the _____.

A. canopy B. manropes C. sea painter D. righting lines

[1667] My vessel will be able to take another 200 metric tons of cargo the previous figure of my declaration.

A. in addition to B. in connection with

C. in accordance with D. in relation to

[1668] A light used to signal passing intentions must be an _____.

A. alternating red and yellow light B. alternating white and yellow light

C. all-round white or yellow light D. all-round white light only

[1669] An example of a modern anchor which has a stock is a(n) _____.

A. articulated anchor B. flipper Delta anchor

C. baldt anchor D. danforth anchor

[1670] The watches and the camera materials were not stowed in the poop cabin. They were stowed in the Chief Officer's cabin _____.

A. instead B. instead of C. replace D. replace of

[1671] For the purpose of training and drills, if reasonable and practicable, rescue boats on board must be launched with their assigned crew _____.

A. once a week B. once a month C. once a year D. twice a year

[1672] _____ shall be efficient for the purpose of enabling pilots to embark and disembark safely

A. The pilot's ladder B. The riggings and fittings

C. The hatch covers D. The scribe

[1673] _____ is the length of ship measured from extreme points of the ship forward and aft.

A. Length overall B. After perpendicular C. Amidships D. Extreme breadth

[1674] A short splice in a line.

A. decreases the size of the line

B. should be used if the line is going through a block

C. should only be used in wire rope

D. doubles the size of the line

[1675] EASE THE RUDDER means to _____.

A. decrease the rudder angle

B. move the rudder slowly in the direction of the most recent rudder command

C. bring the rudder amidships

D. steer the course which is your present heading

[1676] The tanktops are strengthened suitable for _____ of bulk cargo.

A. sling board, unloading

B. grab discharge

C. elevator discharge

D. net unloading

[1677] An all-round flashing yellow light may be exhibited by a(n) _____.

A. vessel not under command

B. air cushion vessel in the nondisplacement mode

C. vessel towing a submerged object

D. vessel engaged in diving operations

[1678] A REACHING COURSE is one in which the wind

A. comes directly over the bow

B. comes directly over the stern

C. comes over an area extending from broad on the bow to the quarter

D. has no effect on the vessel

[1679] As the weather was worsening and wind force rising to 8, my vessel _____ were yawing within forty degrees of the compass.

A. alongside the wharf B. grounded in the channel

C. at buoys D. at anchor

[1680]In more recent years, _____ has been used by civilians in many new ways to determine positions, such as in automobile and boat navigation, hiking, emergency rescue and precision agriculture and mining.

A. GPS B. GMDSS C. AIS D. Navtex

[1681] Injuries resulting in loss of life or incapacitation, aboard vessels, must be reported to the _____.

A. MOT

B. CCS

C. MSA OF CHINA

D. International Association of Navigation

[1682] It is essential for _____ to give a complete description and shortage in the discharging report.

A. the office staff

B. the terminal staff

C. the ship's crew

D. the insurance company

[1683] A whipping is .

- A. a messenger
- B. a stopper for nylon line
- C. a U-bolt for securing a cargo whip to the winch drum
- D. turns of twine around a rope end

[1684] is normally responsible for maintaining records of corrections to navigational charts and nautical publications.

- A. The chief officer B. The second officer
- C. The third officer D. The PSC officer

[1685] The KM for a vessel may be determined by which of the following?

- A. Adding the KB and the BM B. Subtracting the KB from the BM
- C. Subtracting the GM from the KB D. Adding the GM and the KB

[1686] Fuel oil tank vents are fitted with a screen which will stop .

- A. oil from flowing out of the tank vent B. air from entering the tank vent
- C. vapors from leaving the tank vent D. flames on deck from entering the tank vent

[1687]This certificate is valid until Jan 1 2010 subject, where appropriate, _____periodical inspection in accordance with Article 14(c) of the Convention

- A. to B. for C. in D. of

[1688]A device used to enlarge the size of an existing bore hole, having teeth arranged on its outside circumference to cut the formation as it rotates is a(n) _____ .

- A. enlarger bit B. casing bit C. hole opener D. casing opener

[1689] Elongation becomes zero at_____ .

- A. opposition B. west quadrature
- C. apogee D. inferior conjunction

[1690] A fire of escaping liquefied flammable gas is best extinguished by_____

- A. cooling the gas below the ignition point B. cutting off the supply of oxygen
- C. stopping the flow of gas D. interrupting the chain reaction

[1691]The first ship arriving of a SAR incident should assume duties.

- A. OSC B. SMC C. ACOD. SRU

[1692]An extinguishing agent which effectively cools, dilutes combustible vapors, removes oxygen, and provides a heat and smoke screen is_____

- A. carbon dioxide B. halon 1301 C. dry chemical D. water fog

[1693] A tackle is "two blocked" when the blocks are_____ .

- A. equally sharing the load
B. jammed together
C. as far apart as possible
D. rove to the highest mechanical advantage

[1694] You intend to overtake a vessel in a narrow channel. As you approach the other vessel's stern_____

- A. you will gain speed
B. both vessels will gain speed
C. the vessels will drift together
D. the vessels will drift apart

[1695] A preferred-channel buoy will show a_____ .

- A. white light whose characteristic is Morse (A)
B. group-occluding white light
C. composite group-flashing (2 +1) white light
D. composite group-flashing (2 + 1) red or green light

[1696] Which wind results from a land mass cooling more quickly at night than an adjacent water area?_____

- A. Coastal breeze
B. Sea breeze
C. Land breeze
D. Mistral

[1697] You must shift a weight from the upper tween deck to the lower hold. This shift will_____

- A. make the vessel more tender
B. make the vessel stiffer
C. increase the rolling period
D. decrease the metacentric height

[1698] A vessel which is being assisted by an icebreaker would display a flag hoist consisting of the code numeral "4" when the vessel_____

- A. speed begins to drop
B. stops
C. receives ice damage
D. becomes icebound

[1699] Mariners proceeding across the main routes are recommended to do so at_____ .

- A. as wide an angle as practicable
B. as wide an angle so practicable
C. like wide an angle as practicable
D. like wide as angle so practicable

[1700] Any action collision shall, if the circumstances of me admit, made in ample time and with due regard to the observance of good seamanship.

- A. taking to avoid
B. taking to avoiding
C. taken to avoid
D. taken to avoiding

[1701] is not an alarm required by IMO standards to be available on the ECDIS.

- A. Deviating from a planned route
B. Approach to waypoints and other critical points
C. Light house detecting
D. Larger scale chart available

[1702] Hurricane warnings are issued when winds of force 12 or above are expected.

- A. in all parts of the world B. in some parts of the world
C. from all corners of the world D. from every corner of the world

[1703]The term SHORT BLAST means .

- A. a blast of about three seconds' duration B. a blast of about four seconds' duration
C. a blast of about two seconds' duration D. a blast of as - seconds' duration

[1704]A vessel being towed astern, where the length of the tow exceeds 200 meters, will exhibit_____

- A. two balls in a vertical line B. a diamond shape where it can best be seen
C. a ball on each end of the tow D. no day shape

[1705] _____is the average height of all high waters over a 19-year period.

- A. MLW B. MHW C. MHHW D. TCHHW

[1706] _____ are not openings in the ship.

- A. Side scuttles B. Weather-tight enclosures outside the deckhouse
C. Portholes D. Skylights

[1707] From the information concerning the tons per inch or centimeter immersion of a vessel shall be usually found.

- A. stability curve B. deadweight scale
C. table of azimuth D. freeboard assignment

[1708] Which step is NOT generally taken when gas-freeing a tank?

- A. Washing the tank interior with sea water B. Application of degreasing solvents
C. Removal of corrosion products and sludge D. Fresh air ventilation

[1709] The Lists of Meteorological Observation Stations can be found in_____

- A. ALRS B. ALL C. SHM D. ATT

[1710]The most serious danger from synthetic ropes is _____, which is the sudden release of the energy stored in the stretched synthetic line when it breaks.

- A. rotting B. wear and tear C. snapback D. weakness

[1711] What is the bow type anchor shackle primarily used for? .

- A. Chain to chain connections B. Chain to anchor connections
C. Kenter link to anchor connections D. Wire rope connections

[1712] Which will be a result of removing on-deck containers? .

- A. KG will increase B. Metacentric height will increase
C. KB will increase D. Reserve buoyancy will decrease

[1713] My position has been obtained by _____.

A. astronomical observation B. hydrographic survey

C. weather prediction

D. current sailing

[1714] PARACEL: N TO NE 6 AND UP TO 10 IN NE. 5000 M IN FRQ SQUALLY SHWRS AND TS. SEA 2 M AND UP TO 8-9 M IN NE. SWELL E TO NE4-5. From the above broadcast, the vis?ibility will be_____

A. poor B. moderate C. good D. very good

[1715] You are backing on twin engines with rudders amidships, when your port engine stalls. To continue backing on course, you should_____ .

A. apply left rudder

B. apply right rudder

C. increase engine speed

D. keep your rudder amidships

[1716] A sea breeze is a wind .

A. that blows towards the sea at night

B. that blows towards an island during the day

C. caused by cold air descending a coastal incline

D. caused by the distant approach of a hurricane

[1717] Which position includes the effects of wind and current? .

A. Dead reckoning position

B. Leeway position

C. Estimated position

D. Set position

[1718] It would be possible that part of the cargo got a great change in the weather during the voyage caused heavy in the hold.

A. damp/water B. dampness/sweater

C. wet/condensation D. wetness/dew

[1719] HARD RIGHT RUDDER means_____

A. put the rudder over to the right all the way

B. jam the rudder against the stops

C. meet a swing to the right, then return to amidships

D. put the rudder over quickly to 15° right rudder

[1720] You are heading due east (090°) and observe a vessel's red sidelight on your port beam. The vessel may be heading_____

A. northwest (315°) B. north (000°)

C. southeast (135°) D. southwest (225°)

[1721] A tug's horsepower available at the shaft is .

A. indicated horsepower B. brake horsepower?

C. dynamic horsepower

D. net horsepower

[1722] Do you require any further assistance? My ship is safe now and no assistance is necessary. This VHF communication generally takes place during .

A. salvage operation

B. cargo discharging

C. bunkering

D. towing operation

[1723] A vessel crossing a river has the right of way over .

A. vessels ascending the river

B. vessels descending the river

C. all vessels ascending and descending the river

D. none of vessels ascending or descending the river

[1724] When choosing extinguishers to fight a Class B fire do NOT use .

A. carbon dioxide

B. dry chemical

C. foam (stored-pressure type)

D. water (cartridge-operated)

[1725] One of the limitations of foam as an extinguishing agent is that foam .

A. cannot be made with salt water

B. is heavier than oil and sinks below its surface

C. is corrosive and a hazard to fire fighters

D. conducts electricity

[1726] objects are those which stand out clearly from the background or other objects and are easily identifiable from a few miles offshore in normal visibility.

A. Conspicuous

B. Permanent

C. Preliminary

D. Temporary

[1727] What is the most important treatment concerning a foreign body in the eye? .

A. Rinsing of the eye

B. Use anaesthetic

C. Wring the eye-lid to prevent blinking

D. Close the eye for a while

[1728] The lateral system is used in .

A. restricted water such as shoals, reefs or wrecks

B. restricted water such as buoyed channels

C. open waters such as shoals, reefs or wrecks

D. open waters such as buoyed channels

[1729] of the following messages is allowed to be transmitted on the radiotelephone without the authority of the

Master.

- A. Urgency signal B. Safety signal
- C. Distress signal D. None of the above

[1730] Each life preserver must be readily accessible to the person for whom it is intended while he or she is ____ .

- A. at work
- B. in his or her berthing area
- C. both at work and in his or her berthing area
- D. on maindeck only

[1731] The two wavy magenta lines running to Green Hill Point represent .

- A. recommended approaches to Green Hill Point
- B. areas of unreliable loran readings
- C. submarine cables
- D. prohibited fishing areas

[1732] In the navigational triangle, the angle at the elevated pole is the .

- A. meridian angle B. altitude C. right ascension D. azimuth angle

[1733] A bluff bar is a bar .

- A. extending out from a bluff alongside the river
- B. that tends to give a false indication of its position
- C. that has a sharp drop off into deep water
- D. that is perpendicular to the current

[1734] A foam-type portable fire extinguisher would be most useful in combating a fire in _____

- A. solid materials such as wood or bales of fiber
- B. flammable liquids
- C. a piece of electrical equipment
- D. combustible metallic solids

[1735] Heat exhaustion is caused by excessive _____

- A. loss of body temperature B. loss of water and salt from the body
- C. gain in body temperature D. intake of water when working or exercising

[1736] Fire hose couplings

- A. are made of bronze, brass, or soft alloy metals
- B. should be painted red in order to identify hose lengths

C. are specially hardened to prevent crushing

D. should be greased frequently

[1737] Flame screens are used to .

A. contain flammable fumes

B. protect firefighters from flames

C. prevent flames from entering tanks

D. keep flames and sparks from getting out of an engine's exhaust system

[1738] Which procedure should NOT be done for a person who has fainted? .

A. Revive the person with smelling salts B. Loosen the clothing

C. Lay the person horizontally D. Give pain reliever

[1739] You detect oil around your tanker while discharging. The FIRST thing to do is.

A. try to find out where the oil is coming from

B. call the Master

C. have the pumpman check the discharge piping

D. shut down operations

[1740] If a full cargo is not loaded, the Charterer must pay not only freight on the goods actually shipped but also _____

A. broken space B. dead weight C. constant D. dear freight

[1741] Which aid is NOT marked on a chart with a magenta circle? _____

A. Aero light B. Radar station

C. Radar transponder beacon D. Radiobeacon

[1742] A yellow buoy may exhibit a (n) .

A. fixed red light B. flashing light C. white light D. occulting light

[1743] Which type of rudder may lose its effectiveness at angles of 10 or more degrees? .

A. Contra-guide B. Balanced spade C. Unbalanced D. Flat plate

[1744] is not one of the most important environmental factors that influence hydrocarbon biodegradation.

A. Temperature B. Concentration of nutrients

C. Nitrogen D. Oxygen

[1745] I have steerage way. It is said that .

A. I am underway

B. I am out of control

C. I am not making way through the water

D. I have the amount of movement forward which the ship need to be steered properly

[1746] A polyconic projection is based on a .

A. plane tangent at one point B. cylinder tangent a: one parallel

C. cone tangent at one parallel D. series of cor.es tangent at selected parallels

[1747] Whipping the bitter end of a fiber rope .

A. increases the circumference of the rope B. makes for easier handling

C. prevents fraying of the bitter end D. prevents moisture from entering the bitter end

[1748] When joining a vessel, do not forget personal documents and your spectacles, and ___ if necessary.

A. drug B. remedy C. medicine D. healer

[1749] Vessels, support vessels, should not enter the safety zone of a deepwater port un?less clearance has been obtained from the Vessel Traffic Supervisor.

A. besides B. excepted C. otherwise D. other than

[1750] Control of fire should be addressed .

A. immediately after restoring vital services B. immediately

C. following control of flooding D. following establishment of fire boundaries

[1751] _____ means a unit in which goods are totally enclosed by sufficient strong boundaries such as a freight container, a tank or a vehicle unit with fabric sides or tops.

A. UNIT B. CONTAINER

C. VEHICLE D. CLOSED TYPE UNIT

[1752] A new tanker, which is carrying an oil of 450,000 tons plus 30,000 tons residue is allowed to discharge _____ oil or oily mixtures into sea while en route.

A. 16 tons B. 15 tons C. 32 tons D. 30 tons

[1753] At the final departure condition, the SWSF and SWBM along the ship's length are within the permissible _____

A. harbour limits

B. seagoing limits

C. reasonable limits

D. the limits determined by the master in his discretion

[1754] An alternating light .

A. shows a light with varying lengths of the lighted period

B. shows a light that changes color

C. marks an alternate lesser-used channel

D. is used as a replacement for another light

[1755] Because of the arrangement of the cell guides, the MOST important factor while loading containers is the _____.

A. contents of the container B. list of the vessel

C. size of the shoreside crane D. weight of the container

[1756] Biodegradation of the oil slick in sea water is assisted by all the following marine micro-organisms which are capable of metabolising oil compounds except

A. bacteria B. moulds C. yeasts D. seals

[1757] A slow, gradual fall of the barometer indicates approaching _____.

A. gale force winds within 12 hours B. blizzard conditions

C. deteriorating or unsettled weather D. heavy, wind driven rain

[1758] How is the intensity of a light expressed in the Light Lists? _____.

A. Luminous range B. Geographic range

C. Nominal range D. Meteorological range

[1759] The entries in the Official Logbook must be signed by the Master and _____.

A. the Chief Engineer B. the person about whom the entry concerns

C. one other crew member D. no other signature is required

[1760] A local wind which occurs during the daytime and is caused by the different rates of warming of land and water is a _____.

A. foehn B. chinook C. land breeze D. sea breeze

[1761] Before starting any diesel or gasoline engine, which of the following must be checked? _____

A. Oil level B. Flow of cooling water

C. Exhaust discharge D. Web frames

[1762] The use of the danger signal in collision avoidance _____.

A. replaces directional signals

B. makes the other vessel the stand-on vessel

C. indicates doubt as to another vessels actions

D. is the same as a MAYDAY signal

[1763] With respect to AIS, which information is required to be broadcast every 1 to 10 seconds? _____

A. Call sign and IMO number

B. Course over ground and MMSI

C. MMSI number and call sign

D. Route Plan and navigational status

[1764] On discovery of new dangers, of changes or defects in aids to navigation, Masters of vessels should immediately inform .

A. their government

B. their port of registry

C. british government

D. UK hydrographic office

[1765] Which one of the following factors does not reduce the effect of free surface? .

A. Minimum number of daily service tanks in use

B. Where possible, tanks either full or empty

C. GZmax at minimum 25°

D. Bilges pumped out

[1766] Cyclones tend to move .

A. perpendicular to the isobars in their warm sectors

B. parallel to the isobars in their warm sectors

C. parallel to the line of the cold front

D. perpendicular to the line of the cold front

[1767] According to Buys Ballot's law, when an observer in the Northern Hemisphere experiences a northwest wind, the center of low pressure is located to the _____ .

A. northeast

B. west-southwest

C. northwest

D. south-southeast

[1768] Fighting a fire in the galley poses the additional threat of .

A. contaminating food with extinguishing agent

B. spreading through the engineering space

C. loss of stability

D. a grease fire in the ventilation system

[1769] the jumbo everything is ready for loading.

A. Except B. Excepting C. Except for D. Except that

[1770] A safe pilot transfer operation relies on greatly the following except

A. lighting at night time B. lifebuoy with self-igniting light

C. VHF communication with bridge

D. the number of the crewmembers

[1771] How can you keep ship head-up into the weather, with the rudder jammed in hard over position? _____

A. By applying astern power B. By applying emergency full astern power.

C. Careful ahead manoeuvring D. Not possible

[1772] A radar display in which North is always at the top of the screen is a(n) .

A. unstabilized display B. stabilized display

C. composition display D. relative display

[1773] The minimum range at which a target can be detected is basically determined by which of the following? _____

A. Persistence B. Pulse repetition rate

C. Pulse length D. Rotation rate

[1774] means the sufficiency of a vessel in materials, construction, equipment, crew, and outfit for the trade or service in which it is employed.

A. Seaworthiness B. Cargo-worthiness C. Readiness D. Proficiency

[1775] A common class of wire rope is the 6*37 class. What does the 37 represent? .

A. Number of wires in the inner core B. Number of strands per wire rope

C. Tensile strength of the wire D. Number of wires per strand

[1776] When a pushing vessel and a vessel being pushed are rigidly connected in a composite unit, they shall be regarded as .

A. a tugboat

B. a sailing vessel

C. a power-driven vessel

D. a vessel propelled by machinery and under sail

[1777] Your vessel is broken down and rolling in heavy seas. You can reduce the possibility of capsizing by _____

A. constantly shifting the rudder B. rigging a sea anchor

C. moving all personnel aft D. moving all personnel forward and low

[1778] Hie Coast Radio Stations are found in .

A. admiralty List of Lights and Fog Signals B. admiralty Maritime Communications

C. admiralty List of Radio Signals D. admiralty Digital List of Lights

[1779] Foreman, the ship , please get the stevedores to fill the port wings with heavier packages.

A. lists to starboard B. is shifting to starboard

C. is inclined to starboard D. is listing to starboard

[1780] An obstruction on a helideck is any object that might present a hazard to the .

A. rotor blades and landing gear B. unloading of passengers

C. loading of cargo

D. pilot's visibility

[1781] A copy of the Articles of Agreement, less the signatures, is required to be posted. This document is called the _____ .

A. front cover card B. articles copy

C. voyage agreement D. Shipping Articles

[1782] There is sufficient anchorage for _____ at all time around the No. 1 buoy and for smaller vessels around the No. 4 buoy.

A. deep laden vessels B. deeply load vessels

C. deep loading vessels D. deeply loaded vessels

[1783] Cyclones that have- warm sectors usually move _____ .

A. westerly B. parallel to the isobars in the warm sector

C. toward the nearest high pressure area D. faster than the accompanying cold front

[1784] In the manufacture of wire rope, if the wires are shaped to conform to the _____ curvature of the finished rope before they are laid up, the rope is called _____ .

A. composite B. left-lay C. improved D. performed

[1785] _____ indicates unstable weather.

A. The presence of cirrus clouds B. The low-hanging stratus clouds

C. The altocumulus clouds D. The massive cumulus clouds

[1786] A fuel line breaks, sprays fuel on the hot exhaust manifold, and catches fire. Your FIRST action should be to _____ .

A. batten down the engine room B. start the fire pump

C. apply carbon dioxide to the fire D. shut off the fuel supply

[1787] Protection of cargo against tainting damage can best be obtained by _____ .

A. ventilating the space

B. not ventilating the space

C. proper use of paper separation and dunnage

D. segregation of cargo by using different hatches

[1788] A single towing light will be carried above a vessel's sternlight _____ .

A. only if she is towing astern B. only if the tow exceeds 200 meters

C. at any time when towing D. if the towing vessel is part of a composite unit

[1789] _____ is used for fresh water and water ballast.

- A. The space between the holds and the bottom of the hull
- B. SWSF
- C. Block hold loading
- D. The structural configuration

[1790] is not one of the advantages of using wire rope lashing against nylon web lashing on vehicles aboard Ro-Ro vessels.

- A. Stronger strength
- B. Good working Ale
- C. Not being affected by temperature
- D. Handling faster

[1791] What type of stern tube bearing has the least friction? .

- A. Oil-lubricated bearings
- B. Lignumvitae
- C. Hard rubber
- D. Bronze bushings

[1792] Which type of GPS receiver has at least four channels to process information from several sat?ellites simultaneously? .

- A. Sequential
- B. Continuous
- C. Multiplex
- D. Non-follow up

[1793] Wood or steel hatch covers are made by tarpaulins.

- A. watertight
- B. resistant to water
- C. so safe that no weather will affect the hold
- D. so strong that no water will come into the hold

[1794] The shipping papers for the products being carried in your tanker are NOT required to con?tain the_____ .

- A. exact quantity of the cargoes
- B. grades of the cargoes
- C. location of the deliveiy point(s)
- D. name of the consignee(s)

[1795] You notice oil on the water near your vessel while taking on fuel. You should FIRST _____

- A. stop fueling
- B. notify the senior deck officer
- C. notify the terminal superintendent
- D. determine whether your vessel is the source

[1796] While operating off Panama a seaman is injured. What indicator should be included in the preamble of a radio telegram requesting medical advice from a Panamanian station? _____ .

- A. RADIO MEDICAL
- B. DH MEDICO
- C. XXX
- D. MEDRAD

[1797] Under the forces of its own weight,the suspended length of line will fall into a shape known as a_____ .

- A. polygon
- B. hyperbolic curve
- C. catenary curve
- D. parabolic curve

[1798] You are drifting in a locale where there is no current. As a rule, your vessel will lie_____

- A. bow to the wind B. beam to the wind
C. stern to the wind D. with the wind on the quarter

[1799] A wise Captain gives clear direction in his_____for the officers on watch to call him if in any doubt whatsoever.

- A. deck logbook B. master's note
C. bell book D. master's standing orders

[1800] A petroleum liquid has a flashpoint of 85° C. This liquid is in IMDG Code classed as a_____

- A. flammable liquid B. nonflammable liquid
C. inflammable liquid D. disflammable liquid

[1801] What is a coded racon? _____ .

- A.A racon which automatically activate itself
B.A racon only work at night
C.A racon which display a morse code on the radar screen
D.A future racon expected to be operational after Y2000

[1802] RYUKYU S TO SE 6 BEC 4-5. ISOL SHWRS. SEA 3 M BEC 2 M. SWELL SE 3 -4M. This description is likely to be under the heading of_____ .

- A. FORECAST B. GALE WARNING C. SYNOPSIS D. STORM WARNING

[1803] Ascending and descending air masses with different temperatures is part of an important heat transmitting process in our atmosphere called .

- A. conduction B. radiation C. convection D. barometric inversion

[1804] A cardinal mark showing an uninterrupted quick-flashing white light indicates the deepest water in the area is on the_____

- A. north side of the mark B. west side of the mark
C. east side of the mark D. south side of the mark

[1805] _____ is measured from the baseline to the summer load line at the _____ midship section.

- A. Extreme draft B. Molded draft C. Extreme depth D. Molded depth

[1806] Who is normally deciding which search pattern to use?

- A. CRS B. OSC C. SMC D.SRU

[1807] An aneroid barometer is an instrument .

- A. used to measure the speed of wind
B. in which the pressure of the air is measured

C. that tells which direction a storm is coming from

D. used to measure the height of waves

[1808] An oil tanker with dedicated clean ballast tanks shall have adequate tank capacity dedicated solely to the carriage of _____ as defined.

A. clean ballast B. crude oil C. fresh water D. fuel oil

[1809] For the purpose of _____ tank or hold washings or bilge water from any vessel, an application shall be made to Harbor Authorities for approval.

A. discharging B. recircling C. loading D. taking in

[1810] A ROUND THROUGH THE VESSEL CARRIED OUT BY A CREW MEMBER OF THE WATCH AT CERTAIN INTERVALS SO THAT AN OUTBREAK OF FIRE MAY BE PROMPTLY DETECTED defines _____ .

A. fire patrol B. fire control C. smoke detection D. fire drill

[1811] With no environmental forces acting on the vessel, the center of gravity of an inclined vessel is vertically aligned with the _____ .

A. longitudinal centerline B. center of flotation

C. original vertical centerline D. metacenter

[1812] A journal kept by the officer of the watch in which day to day happenings are recorded regarding the deck department is the _____ .

A. cargo record book B. deck rough log C. bell book D. official Logbook

[1813] _____ is a full nautical record of a ship's voyage, written up at the end of each watch by the officer of the watch.

A. Sea Protest B. Deck Log C. Accident Report D. Seaman's Book

[1814] A certificated lifeboatman assigned to command the lifeboat _____ should _____ .

A. be the first individual to board the craft

B. be familiar with the boat

C. have a list of the persons assigned to the lifeboat

D. have the highest rank

[1815] What is a nonadjustable error of the sextant? _____ .

A. Prismatic error B. Index error C. Side error D. Error of collimation

[1816] The ship's draught forward is slightly deeper than the draught aft. This condition is called _____ in shipping terms.

A. trim by the head B. trim by the stem C. even keel D. drafts different

[1817] _____ are not used to handling containers.

A. Dockside container cranes

B. Shipboard container cranes

C. Straddle trucks

D. Burlaps which are often made up in rolls or squares

[1818] The safest device used to secure the end of the pendant wire when it is initially passed to the anchor handling vessel is a _____.

A. pelican hook B. hydraulic deck stopper

C. connecting link D. shackle

[1819] In the absence of external forces, the center of buoyancy of an inclined vessel is vertically aligned directly below the _____.

A. center of gravity B. amidships station

C. center of flotation D. geometric center of the waterplane area

[1820] A towing vessel is tripped when.

A. it is overtaken by the tow

B. it is pulled sideways by the tow

C. the weight of the towing hawser causes loss of maneuverability

D. the propeller is fouled by the towing hawser

[1821] The index error is determined by adjusting the _____.

A. sextant frame

B. horizon glass

C. index mirror

D. micrometer drum

[1822] The Company where necessary shall _____ to your local authorities/police if you are found guilty by the Company of having encouraged or having taken part in theft/sale of any cargo/ property belong to the vessel.

A. inform B. tell C. ask D. report

[1823] A casualty report of an intentional grounding is required under what condition? _____.

A. Under any condition B. If the grounding lasts over 24 hours

C. If it creates a hazard to the environment D. At the owner's discretion

[1824] Hand holds or straps on the underside of an inflatable liferaft are provided _____.

A. to right the raft if it capsizes B. to carry the raft around on deck

C. for crewmen to hang on to D. to hang the raft for drying

[1825] As look-out, you spot an object 45° _____ off your port bow. You should report the object as _____.

A. broad on the port bow

B. 3 points on the port bow

C. 3 points forward of the port beam

D. on the port beam

[1826] You determine your vessel's position by taking a range and bearing to a buoy. Your position will be plotted as a(n) _____.

_____ .
A. running fix

B. fix

C. dead-reckoning position

D. estimated position

[1827] In restricted visibility the speed of a vessel without operational radar may be _____ effective avoiding action to be taken on sighting another ship

A. too low to

B. too high to

C. too high for

D. too low for

[1828] Which of the following is not a wind? _____ .

A. Growler

B. Norther

C. Levanter

D. Mistral

[1829] Which statement concerning GPS is TRUE? _____ .

A. It cannot be used in all parts of the world

B. There are 12 functioning GPS satellites at present

C. It may be suspended without warning

D. Two position lines are used to give a 2D Fix

[1830] You may BEST turn a twin-screw vessel about, to the right, in a narrow channel by using _____

A. both engines ahead and helm

B. one engine only

C. port engine ahead and the starboard engine astern

D. both engines astern and use helm

[1831]It' s all right to rig the pilot ladder on lee side _____ .

A. to allow port Authorities to board

B. allowing port Authorities to board

C. to allow port Authorities boarding

D. allowing port Authorities to be boarded

[1832] Who must ensure that the emergency lighting and power systems cargo vessels are operated at least weekly?
_____ .

A. Master B. Chief Engineer

C. Deck officer assigned D. Engineering officer assigned

[1833]The advice to masters in the Australian Pilot publication does not sufficiently the short-comings of the Newcastle anchorage in adverse weather conditions.

A. high B. light C. highlight D. lighthigh

[1834]An inflatable liferaft equipped with a SOLAS B park must be stowed.

A. so as to float free B. with the vessel' s emergency equipment

C. near the wheelhouse D. as far forward as possible

[1835]A _____ is announced by SECURITE-SECURITE-SECURITE-ALL STATIONS/VES?SELS-ALL STATIONS/VESSEL-ALL STATIONS/VESSELS; THIS IS MV... CALL SIGN... (3X)

- A. distress message B. urgency message
- C. safety message D. routine message

[1836]For full information regarding the current circulation of the Indian Ocean, Sailing Direction, Current Atlas, etc.

- A. watch B. look for C. see D. regard

[1837] 20 targets can be tracked at one time. When maximum tracking capacity is reached, no further acquisitions are possible.

- A. As many as B. So many as C. As much as D. As more as

[1838]After extinguishing a fire with CO₂, it is advisable to .

- A. use all CO₂ available to cool the surrounding area
- B. stand by with water or other agents
- C. thoroughly ventilate the space of CO₂
- D. jettison all burning materials

[1839] Vessel engaged in the launching or recovery of aircraft is called .

- A. a vessel restricted in her ability to maneuver
- B. a vessel not under command
- C. a vessel constrained by her draught
- D. a vessel not under way

[1840] For cargoes grain meals, coal, ventilation is needed to prevent them spontaneous combustion.

- A. I. E./of B. for instance/away C. for example/off D. such as/from

[1841] A vessel using a traffic separation scheme is forbidden to .

- A. proceed through an inappropriate traffic lane
- B. engaged in fishing in the separation zone
- C. cross a traffic lane
- D. enter the separation zone, even in a emergency

[1842] Gas masks .

- A. should be worn while fighting a fire
- B. can be used in atmospheres deficient in oxygen
- C. filter contaminants from air that is to be breathed
- D. may be substituted for a self-contained breathing apparatus

[1843] All self-propelled vessels on an international voyage must be equipped with how many EPIRBs? _____ .

- A. One approved Category 1 EPIRB B. Three approved Category 1 EPIRBs
C. One approved Class B EPIRB D. Two approved Class B EPIRBs

[1844] is/are not a condition of the atmosphere affecting the distance at which lights can be seen.

- A. Fog, haze, dust, siroko B. Precipitation
C. Air refraction D. Winds

[1845] The transmission time duration of a single pulse of radio-frequency energy is a function of the _____

- A. persistence B. pulse repetition rate
C. pulse length D. resolution

[1846] Cloud formations are minimal when the _____ .

- A. surface temperature and temperature aloft are equal
B. surface temperature and temperature aloft differ greatly
C. barometric pressure is very low
D. relative humidity is very high

[1847] When a combination chain and wire rope mooring line is used, the chain is deployed _____

- A. at the anchor end of the line
B. at the wildcat end of the line
C. midway between the anchor and the wildcat
D. through the anchor buoy

[1848] Variations will vary with _____ .

- A. the earth's magnetic field strength
B. the alignment of the ship in the earth's magnetic field
C. the ship's construction
D. deperming, excessive shocks, welding, and vibration of the ship

[1849] A vessel is in sight of another vessel when _____ .

- A. she can be observed by radar
B. she can be observed visually from the other vessel
C. she can be plotted on radar well enough to determine her heading
D. her fog signal can be heard

[1850] All VHF marine band radios operate in the simplex mode, which means that _____ .

- A. only one person may talk at a time B. only two persons may talk at the same time

C. the radio only transmits D. the radio only receives

[1851] Firefighting foam is only effective when the foam

- A. penetrates to the bottom of the fire
- B. is kept saturated with low-velocity water fog
- C. mixes with the burning fuel oil
- D. completely covers the top of the burning liquid

[1852] Precautionary measures must be taken to safer, of the stevedores, cargo and the ship.

A. insure B. ensure C. assure D. assume

[1853] While underway, a vessel over 100,000 gross tons with an AIS is expected to broadcast all of the following information every 1 to 10 seconds EXCEPT _____ .

- A. rate of turn B. name of vessel
- C. navigational status D. ship ' s heading

[1854] Global Maritime Distress and Safety System (GMDSS) is contained in a volume of _____

- A. admiralty List of Lights and Fog Signals
- B. admiralty List of Radio Signals
- C. admiralty Maritime Communications
- D. admiralty Distance Tables

[1855] What does ECDIS stand for? _____ .

- A. Electrical Chart Display and Indication System
- B. Electronic Chart Display and Information System
- C. Electric Chart Display and Informing System
- D. Electronic Chart Display and Indicating System

[1856] A neutral equilibrium position for a vessel means that the metacenter is .

- A. lower than the keel B. at the same height as the center of gravity
- C. exactly at midships D. at the center of the waterplane area

[1857] _____ are not considered as static loads.

- A. Actual weight of the ship's structure, outfitting, equipment and machinery
- B. Cargo loads
- C. Bunker and other consumable loads
- D. Slamming and sloshing loads

[1858] You hear the fog signal of another vessel forward of your beam. Risk of collision may exist. You MUST _____ .

- A. reduce speed to bare steerageway B. stop your engines
- C. begin a radar plot D. reverse your engine

[1859] is taken from the lower most point of the keel to the summer loadline.

- A. Extreme draft B. Molded draft C. Extreme depth D. Molded depth

[1860] A line of position formed by sighting two charted objects in line is called a(n)

- A. relative bearing B. range line C. track line D. estimated position

[1861] is the vertical distance measured on the vessel's side amidships from the load water line to the upper side of the freeboard deck or a point corresponding to it.

- A. Buoyancy B. Freeboard C. Draft D. Displacement

[1862] An instrument designed to maintain a continuous record of atmospheric pressure is a(n) _____

- A. mercurial barometer B. aneroid barometer
C. barograph D. thermograph

[1863] A vessel sounding a fog signal of one short, one prolonged, and one short blast is indicating that the vessel is _____ .

- A. fishing B. in distress C. at anchor D. not under command

[1864] You are conning a twin-screw vessel going ahead with rudders amidships. If the port screw stops turning the bow will _____ .

- A. go to port B. go to starboard
C. not veer to either side D. go first to port and then to starboard

[1865] Your ship is in shallow water and the bow rides up on its bow wave while the stern sinks into a depression of its transverse wave system. What is this called? _____ .

- A. Broaching B. Fish tailing C. Squatting D. Parallel sinkage

[1866] A man aboard a vessel, signaling by raising and lowering his outstretched arms to each side, is indicating _____ .

- A. danger, stay away B. all is clear, it is safe to pass
C. all is clear, it is safe to approach D. a distress signal

[1867] An inconspicuous, partly submerged vessel or object being towed, where the length of tow is 100 meters, shall show _____ .

- A. yellow lights at each end B. two red lights in a vertical line
C. a black ball D. a diamond shape

[1868] is a radio receiver with ability to sense direction of the incoming radio waves.

- A. The echo sounder B. The radar
C. The course recorder D. The direction finder

[1869] the vessel have no Safety Radiotelegraphy Certificate time of her delivery, she_____be held to be unseaworthy.

- A. If/may B. Will/shall C. Should/would D. Would/should

[1870] A storm's track is characterized by all of the following except .

- A. the direction the storm has come from B. the direction in which the storm is moving
C. the speed at which the storm is moving D. the path taken by the storm

[1871] If the vertical center of gravity (VCG) of a ship rises 1 .7 feet,the righting arm (GZ) for the various angles of inclination will .

- A. decrease
B. increase
C. remain unchanged
D. be changed by the amount of GG'x cosine of the angle

[1872] _____contains full color photographs and diagrams.

- A. Ocean Passages for the World (NP136)
B. Admiralty List of Radio Signals
C. IALA Maritime Buoyage System (NP735)
D. Catalogue of Admiralty Charts and Publications (NP131)

[1873] Radiotelegrams requesting medical advice should state briefly and clearly the symptoms of the illness of the person_____ .

- A. affected B. effected C. affecting D. effecting

[1874] You are underway in heavy weather and your bow is into the seas. To prevent pounding, you should ____

- A. change course, in order to take the seas at an 85 degree angle from the bow
B. decrease speed
C. increase speed
D. secure all loose gear

[1875] While towing, sudden shock-loading caused during heavy weather can be reduced by_____

- A. using a short tow hawser B. using a nonelastic type hawser
C. using a heavier hawser D. decreasing the catenary in the hawser

[1876] You can indicate that your vessel is in distress by .

- A. displaying a large red flag
B. displaying three black balls in a vertical line

C. sounding four or more short rapid blasts on the whistle

D. continuously sounding the fog whistle

[1877] A type of precipitation that occurs only in thunderstorms with strong convection currents that convey raindrops above and below the freezing level is known as .

A. sleet B. hail C. freezing rain D. rime

[1878] A continual worsening of the list or trim of any floating ship indicates .

A. negative GM B. progressive flooding

C. structural failure D. an immediate need to counterflood

[1879] Between 1638 and 1650 hours this day, strong gusty winds were by my vessel, in consequence of which, the vessel's four mooring lines were broken and her portside gangway severely damaged.

A. gone B. done C. had D. experienced

[1880] A chart position enclosed by a semi-circle is a(n) .

A. fix B. estimated position

G. dead reckoning position D. running fix

[1881] A light, feathery deposit of ice caused by the sublimation of water vapor directly into the crystalline form, on objects whose temperatures are below freezing, is called .

A. dew B. frost C. glaze D. snow

[1882] If a spill occurs, where would you log it? .

A. Oil Record Book B. Bell book C. Smooth logbook D. Official Logbook

[1883] Charts are subject to frequent correction according to .

A. notices to mariners B. mariner's handbook

C. sailing directions D. guide to Port entry

[1884] NANSHA VERELLA ST JACQUES ZENMU ANSHA REEF CLOUDY TO OVERCAST WITH SHOWERS WIND SW 17 TO 21 SEA MOD VIS GOOD TO MOD. The abovementioned forecast is probably from _____ .

A. radio dalian B. radio guangzhou C. radio Singapore D. radio bangkok

[1885] Each satellite broadcasts traffic on a designated channel.

A. LES B. ESA C. NCS D. EGC

[1886] Where there are multiple accident victims, which condition should be the first to receive emergency treatment?

A. Cold and moist skin B. Major multiple fractures

C. Suspension of breathing D. Burns

[1887] If obliged to cross traffic lanes, a vessel shall do so on a heading as nearly as practicable _____ to the general direction of traffic flow.

- A. at small angle B. at large angle C. at right angle D. in same direction as

[1888] Little or no change in the barometric reading over a twelve hour period indicates .

- A. stormy weather is imminent B. that present weather conditions will continue
C. a defect in the barometer D. increasing wind strength

[1889] _____ is a round-shaped underwater part in the front of the ship. The purpose is to create less friction with water so that the ship moves easily.

- A. The bulbous bow B. The anchor C. The bow thruster D. The propeller

[1890] A bonding cable should be connected for cargo operations aboard a tank vessel as soon as the _____

- A. cargo has been loaded or discharged B. cargo hose is connected
C. cargo pumps are started D. vessel is ready to handle cargo

[1891] You are standing the wheel-watch when you hear the cry "Man overboard starboard side". You should instinctively

- A. give full right rudder B. give full left rudder
C. put the rudder amidships D. throw a life ring to mark the spot

[1892] After the initial cleaning of flue gas in an inert gas system the gas is passed through what device for final cleaning? .

- A. Scrubber B. Demister C. Deck water seal D. Final filter

[1893] A(n) _____ indicates that there is serious and immediate danger for vessel, crew and passengers.

- A. distress alert B. urgency message C. safety message D. routine message

[1894] A tug is towing three manned barges in line in fog. The first vessel of the tow should sound _____

- A. no fog signal
B. one short blast
C. one prolonged and three short blasts
D. one prolonged, one short, and one prolonged blast

[1895] In the piping systems of a vessel, what type of valve gives the least resistance to fluid flow when fully open?

- _____
- A. Globe valve B. Butterfly valve C. Gate valve D. Packless valve

[1896] The tropical year differs from which year by 20 minutes? .

- A. Astronomical year B. Natural year C. Equinoctial year D. Sidereal year

[1897] Before any portable gas indicators are brought to the measuring spot, what is very important to do with these analysers first? _____ .

A. Do a full calibration B. Just renew the batteries

C. Zero adjust them D. Just check the filters

[1898] Which of the following is most important in prevention of sweat damage to cargo in the hold? _____

A. Outside temperature B. Dewpoint of the outside air

C. Dewpoint of the air in the cargo hold D. Temperature of the cargo

[1899] In order to accelerate discharging of the main hatches, you are requested to arrange for two gangs of stevedores to work hatches Nos. 2 and 4 {round the clock }.

A. 24 hrs a day B. 16 hrs a day C. 12 hrs a day D. 8 hrs a day

[1900] A right to withdraw a vessel _____ the service of the Charterers failing the punctual and regular payment of the hire cannot be defeated by later tender of the hire.

A. in B. before C. from D. against

[1901]The following _____ is a standard phrase.

A. WARNING. You are running into danger

B. you are possibly running into danger

C. you could be in the case of running into danger

D. you could, I think, be running into danger

[1902] _____ is not a basic component of the INMARSAT system.

A. The INMARSAT space segment B. LES or CES

C. SES D. COMSAT

[1903] Which conic projection chart features straight lines which closely approximate a great circle? _____

A. Polyconic B. Lambert conformal C. Orthographic D. Stereographic

[1904] You want to double the strength of a mooring line by using two lines. To accomplish this, the second line must _____ .

A. be 1 1/2 times the diameter of the first B. be married to the first

C. not cross the first D. be of the same length

[1905] If you are forced to abandon ship in a liferaft, your course of action should be to _____ .

A. remain in the immediate vicinity B. head for the nearest land

C. head for the closest sea-lanes D. let the persons in the boat vote on what to do

[1906] In shallow water, waves that are too steep to be stable, causing the crests to move forward faster than the rest of the wave, are called _____ .

A. rollers B. breakers C. white caps D. surfers

[1907] The broken magenta line which runs parallel to the shore between Roanoke Point and Mattituck Inlet marks a_____ .

A. fish trap area B. pipeline . C. demarcation line D. cable area

[1908] As the displacement of a vessel increases, the detrimental effect of free surface .

- A. increases
- B. decreases
- C. remains the same
- D. may increase or decrease depending on the fineness of the vessel's form

[1909] A reflection of electromagnetic waves from the antenna of radar appears as a bright spot on_____

A. the vector B. the cathode C. the oscilloscope tube D. tracked target

[1910] is hot a good manner to berthing alongside.

- A. Setting mooring lines as quickly as possible
- B. Head to wind
- C. Reducing to a minimum the time the wind is at a broad angle to the ship
- D. Keeping the wind on profile as long as possible

[1911] A negative metacentric height .

- A. will always cause a vessel to capsize
- B. should always be immediately corrected
- C. always results from off-center weights
- D. will be acceptable if small enough

[1912] The main advantage of a Chinese stopper over the one line stopper is that it .

- A. will not jam on the mooring line
- B. is stronger
- C. is easier to use when under heavy tension
- D. is safer to use when under heavy tension

[1913] In boom operations, the hatch gang will apply the stopper to secure the .

A. topping lift B. guys C. runners D. snatch block

[1914] How can you reduce ship's downwind progress in deep water? .

- A. By lowering the anchor to about 60 fathoms
- B. By lowering the anchor to about 30 fathoms
- C. By lowering the anchor to about 10 fathoms
- D. Not possible

[1915] Which product is most likely to accumulate static electricity? .

A. Crude oil B. Hard asphalt C. Lubricating oil D. Residual fuel oil

[1916] To _____ should be avoided during a prolonged period in a liferaft in tropical waters?

- A. wet clothes during the day to decrease perspiration
- B. get plenty of rest
- C. keep the entrance curtains open
- D. drink a lot bit of sea water

[1917] A cofferdam is _____.

- A. any deck below the main deck and above the lowest deck
- B. a member that gives fore-and-aft strength
- C. made by placing two bulkheads a few feet apart
- D. a heavy fore-and-aft beam under the deck

[1918] A large basin cut into the shore, closed off by a caisson, and used for drydocking of ships known as a _____.

- A. slipway
- B. graving dock
- C. ground warp
- D. caisson dock

[1919] A storm is forecast for the area where your vessel is moored. For its safety you should put _____.

- A. more slack in the mooring lines
- B. a strain on the mooring lines
- C. chafing gear on the mooring lines
- D. grease on the mooring lines

[1920] A vessel aground at night is required to show two red lights in a vertical line as well as _____.

- A. not under command lights
- B. restricted in her ability to maneuver lights
- C. anchor lights
- D. sidelights and a sternlight

[1921] Magnetic information on a chart may be _____.

- A. shown in the center(s) of the compass rose
- B. indicated by isogonic lines
- C. found in a note on the chart
- D. presented in the legend of a chart

[1922] A mooring line is described as being 6 x 24, 1 -3/4 inch wire rope. What do the above numbers refer to?

- A. Strands, yarns, circumference
- B. Strands, wires, diameter
- C. Wires, yarns, diameter
- D. Strands, circumference, wires

[1923] You are approaching another vessel and are not sure whether danger of collision exists. You must assume _____.

- A. there is a risk of collision
- B. you are the give-way vessel
- C. the other vessel is also in doubt
- D. there is no risk of collision

[1924] You see a vessel carrying a black diamond which indicates a_____ .

- A. vessel towing astern
- B. barge pushed ahead
- C. vessel towing astern only when the length of her tow exceeds 200 meters
- D. this signal does not exist in international waters

[1925] A vessel engaged in shall not impede the passage of any other vessel navigating within a narrow channel or fairway.

- A. mine clearance operation
- B. towing operation
- C. dredging or surveying or underwater operation
- D. fishing

[1926] The lifesaving signal indicated by a horizontal motion of a white light or white flare means all of following except_____ .

- A. landing here highly dangerous
- B. negative
- C. avast hauling
- D. no aids to navigation

[1927] The Agreement shall commence a satisfactory Medical Report by a doctor nominated by the Company.

- A. on the part of
- B. in lieu of
- C. subject to
- D. in accordance with

[1928] The portable radio apparatus means .

- A. the radio apparatus fitted on the portside
- B. the radio with a portable equipment
- C. the radio equipment which is easily movable
- D. the portable radio with some apparatus

[1929] must be familiar with the Musterlist and Emergency Instructions onboard.

- A. The captain only
- B. The officers only
- C. All crew members and other personnel onboard
- D. Passengers only

[1930] A permanent chain chasing system is used to

- A. clean anchor chain as it's hauled in
- B. recover anchors which have lost their buoys
- C. run and retrieve anchors
- D. prepare anchor chain for inspection

[1931] Before starting a gasoline engine on a motorboat, you should make sure for sake sure for safety that_____

- A. the gasoline tank is full
- B. the bilges, cabins, etc. are thoroughly ventilated
- C. fresh water is enough on board
- D. hoist rope is not kinked

[1932] As for racon, is incorrect.

- A. racon is a radar transponder.
- B. racon is often installed on major waypoints
- C. when activated by a radar signal,the Racon reflects the signal back with an identifier
- D. racon can be used to take place of radar

[1933] An unstable upright equilibrium position on a vessel means that the metacenter is .

- A. lower than the center of gravity
- B. at the same height as the center of gravity
- C. higher than the baseline
- D. on the longitudinal centerline

[1934]A DANGEROUS CARGO MANIFEST is needed for you to carry a combustible cargo. You should obtain the shipping papers to make this MANIFEST from the .

- A. manufacturer
- B. ABS
- C. coast guard
- D shipper

[1935]Before personnel are lifted from a vessel in a personnel basket, the vessel should be_____

- A. directly under the boom
- B. moving away from the boom
- C. stopped dead in the water
- D. tied to the boom

[1936] Placing a lashing across a hook to prevent a fittir. § froc slipping out of the hook is called_____

- A. faking
- B. flemishing down
- C. mousing
- D. worming

[1937] The backup system on an electric start survival craft is a .

- A. hydraulic system
- B. pneumatic system
- C. spare battery
- D. hand crank

[1938]In a following sea, a wave has overtaken your vessel and thrown the stern to starboard. To continue along your original course,you should_____ . .

- A. use more right rudder
- B. use more left rudder
- C. increase speed
- D. decrease speed

[1939] Buoys which only mark the left or right side of the channel will never exhibit a light with which characteristic?

- _____ .
- A. Flashing
- B. Quick flashing
- C. Composite group flashing
- D. Equal interval (isophase)

[1940] In a river subject to tidal currents,the best time to dock a ship without the assistance of tugs is_____ .

- A. at high water
B. when there is a following current
C. at slack water
D. at flood

[1941] Beacons are aids to navigation which are .

- A. permanently fixed to the earth' s surface
B. moored to the seabed by concrete sinkers with chain or synthetic rope moorings
C. floating on the surface of water
D. connected to the buoy body

[1942]The word VESSEL includes every description of water craft and seaplanes, used or capable _____ as a means of transportation on water.

- A. of being used
B. to be used
C. to use
D. of using

[1943] You are preparing to take another vessel in tow. Which signal indicates" hawser is made fast"? _____ .

- A. Firing of a green star signal
B. Firing of a red star signal
C. An orange smoke signal
D. Three white star rockets at 1 -minute intervals

[1944] An advantage of an ABC dry chemical over a carbon dioxide extinguisher is .

- A. lack of toxicity
B. the multipurpose extinguishing ability
C. burn-back protection
D. cooling ability

[1945] An oxygen indicator can be used to determine if there is .

- A. sufficient oxygen in a compartment to support life
B. combustible gases present
C. hydrogen gas present
D. nitrogen gas present

[1946]TO GIVE A WIDE BERTH TO THE BREAKWATER means .

- A. to keep clear of the breakwater
B. that there is much berth space near the breakwater
C. don' t drop anchor too close to the breakwater
D. to keep the breakwater within sight

[1947]Which weather element cannot be measured accurately while on board a moving vessel? _____

- A. Relative humidity
B. Temperature
C. True wind speed
D. Atmospheric pressure

[1948] Underway vessels shall at all time maintain a proper look-out_____ .

- A. by sight and hearing only
B. by all available means besides sight and hearing

C. by all available means except sight and hearing

D. by means other than sight and hearing

[1949] During fueling, all doors, hatches, and ports .

A. to windward should be opened and the ones to leeward should be closed

B. to leeward should be opened and the ones to windward should be closed

C. should be opened

D. should be closed

[1950] When does a pilot say make all lines fast? he says it when .

A. the ship is very close to the pier B. the ship is about to be in position

C. the ship is in position D. the ship is getting alongside the pier

[1951] In the Master's Note of Sea Protest, He will reserve the right to extend the same at time and place convenient.

What's the meaning of "the same"? _____ .

A. The same time B. The sea protest

C. The right D. The time and place

[1952] All vessels should be cautious to anchor, trawl, lay cables, to conduct any other similar type of operation because of residual danger from mines at the bottom.

A. either/or B. not/nor C. not only/but also D. neither/nor

[1953] Who is responsible for the development of the ship security plan? .

A. The company security officer B. The classification society

C. The port facility security officer D. The ship security officer

[1954] The advantages of using an inert gas system on a tank vessel is that it provides .

A. for faster loading

B. tank atmosphere with low oxygen content

C. better fuel economy

D. too rich or too lean gas for the tank atmosphere

[1955] When loading a cargo of taconite, proper sequencing of loading by hatch number is necessary to _____

A. provide the proper trim B. prevent negative stability from developing

C. prevent excessive longitudinal stresses D. control list

[1956] A line of position is _____

A. a line connecting two charted objects

B. a line on some point of which the vessel may be presumed to be located

C. the position of your vessel

D. not used in a running Fix

[1957] _____ at 53N3 127E4 moving eby 12 kts with cold front from center passing 51N3 126E1 to 51N2 125E4 and warm front from 46N1 128E2 passing 40N2 125E2.

A. Low 1002 HPA

B. Low 1045 HPA

C. High 1002 HPA

D. High 1045 HPA

[1958] A chain stripper is used to .

A. prevent chain from clinging to the wildcat

B. clean the marine debris from the chain

C. flake chain from a boat's chain locker

D. clean chain prior to an x-ray inspection

[1959]A splice that can be used in running rigging, where the line will pass through blocks, is a _____

A. short splice

B. long splice

C. back splice

D. spindle splice

[1960]What standing rigging supports the mast in the fore-and-aft and athwartships directions? _____

A. Sheets and guys

B. Guys and vang

C. Vangs and shrouds

D. Shrouds and stays

[1961] Where is the dangerous semicircle located on a hurricane in the Southern Hemisphere? _____

A. To the left of the storm's track

B. To the right of the storm's track

C. In the high pressure area

D. On the south side

[1962] It is a good practice to use long towlines for ocean tows because the _____ .

A. wear on the towline is equalized

B. weight of the towline increases the towing force

C. dip in the towline absorbs shock loads

D. danger of overriding is reduced

[1963] All fog signals shall be sounded every two minutes with the exception of a vessel.

A. underway or making way

B. under sail or under tow

C. anchored or aground

D. not under command or restricted in her ability to maneuver

[1964] After a person has been revived by artificial respiration, he should be .

A. walked around until he is back to normal

B. given several shots of whiskey

C. kept lying down and warm

D. allowed to do as he wishes

[1965] The accuracy of the DGPS mainly depends on .

- A. the price of the equipment B. the relative angle between the satellite
C. the position of the observer D. the age of the calculated correction

[1966] A signal of intent must be sounded in international waters by .

- A. a vessel meeting another head-on
B. a vessel overtaking another in a narrow channel
C. a vessel crossing the course of another
D. the give-way vessel in a crossing situation

[1967] In order to discharge a CO₂ portable fire extinguisher, the operator must FIRST .

- A. invert the CO₂ extinguisher B. squeeze the two trigger handles together
C. remove the locking pin D. open the discharge valve

[1968] The amount of force a tug can exert on a stationary pull is called its .

- A. brake horsepower B. indicated horsepower
C. shaft horsepower D. bollard pull

[1969] A Notice of Marine Casualty to a vessel must include .

- A. the estimated cost of damage B. the name of the owner or agent of the vessel
C. an evaluation of who was at fault D. the amount of ballast on board

[1970] The radar component that produces the synchronizing signal and triggers the indicator sweep is which of the following? .

- A. Transmitter B. Antenna system C. Indicator D. Modulator

[1971] Why is 6 x 19 class wire rope more commonly used for runners than the more flexible 6 x 37 wire rope? .

- A. It resists abrasion better B. It is longer
C. It hugs the winch drum better D. It is less expensive

[1972] A ship with accommodation block aft is moving ahead. the radiant force of wind will cause the ship's head to .

- A. turn to the wind B. turn away from the wind
C. keep her heading in a fixed direction D. turn in a clockwise manner

[1973] The splice designed to pass easily through a block is called a(n) .

- A. eye splice B. short splice C. long splice D. block splice

[1974] are/is not shown in general fire-control plans.

- A. The sprinkler installation B. The fire-extinguishing appliances
C. Means of access to different compartments D. Watertight spaces

[1975] If the insufficiency of the packing was apparent on reasonable inspection, the Shipowner can't not _____ the exception of insufficiency of packing.

- A. rely in B. rely upon C. rely with D. rely to

[1976] The apparent wind can be zero when the true wind is from .

- A. ahead and equal to the ship' s speed B. astern and equal to the ship' s speed
C. ahead and equal to twice the ship' s speed D. astern and equal to twice the ship' s speed

[1977] When own ships position is wrongly input into ECDIS, what is the result? .

- A. Nothing
B. ECDIS will give warning
C. ECDIS will automatically be switched off
D. Position, range and bearing taken on the ECDIS will be wrong

[1978] Which standard man overboard manoeuvre is considered the best during bad visibility conditions? _____

- A. The Anderson turn B. The single turn C. The one turn D. The Williamson turn

[1979] Who is responsible for the regular security inspections of the ship? .

- A. The company security officer B. The classification society
C. The port facility security officer D. The ship security officer

[1980] _____ is an expression imposing silence on all stations in the area or on any station that interferes with the distress traffic.

- A. SEELONCE MAYDAY B. ALL STATIONS
C. HELLO ALL STATIONS D. SEELONCE FEENEE

[1981] You are on watch at night in port and discover a fire in 1 hatch. Which action should you take FIRST? _____

- A. Advise the Chief Mate and Master B. Release carbon dioxide into the hatch
C. Sound the general alarm D. Lead a fire hose to the hatch

[1982] A vessel being pushed ahead is required to carry which of the following lights? .

- A. Sidelights and a stem light
B. Sidelights only
C. Sidelights and a small white light at each end
D. A small white light at each end

[1983] BASHI:E TO SE 9-10.500M IN HVY SQUALLY SHWRS AND TS. SEA 8-9M. SWELL SE 6-7M. From the above

forecast,the wind in Beaufort Scale will be_____ .

- A. STRONG GALE TO STORM B. GALE TO STRONG GALE
- C. NEAR GALE TO GALE D. STRONG BREEZE TO NEAR GALE

[1984] Above-normal tides near the center of a hurricane may be caused by the .

- A. high barometric pressure B. jet stream ,
- C. storm surge D. torrential rains

[1985] By paying out more anchor cable, you .

- A. decrease the holding power of your anchor
- B. decrease the swing of your vessel while at anchor
- C. increase the holding power of your anchor
- D. increase the possibility that your vessel will drag anchor

[1986] Bahrain Port Control refers to .

- A. bah rain ports operations and information service
- B. the customs & ports affairs, directorate general of ports,state of bahrain
- C. the harbour master
- D. the port director

[1987] The total berth time for a vessel can be reduced through a reduction .

- A. of working gangs B. of idle time
- C. in productivity of the working shifts D. of working hours each working day

[1988] Which one of the followings is not a right way to call an unknown vessel on VHF? _____

- A. According to her characteristics B. According to her cargo
- C. According to her movements D. According to her crewmembers

[1989] As a rule,ships of most configurations,when drifting in calm water with negligible current, will lie. _____

- A. bow to the wind B. beam to the wind
- C. stern to the wind D. with the wind on the quarter

[1990] Complete information on weather broadcasts throughout the world is contained in .

- A. selected Worldwide Marine Weather Broadcasts
- B. your local newspaper
- C. the notice to mariners
- D. the daily weather map

[1991] Before applying power to a guy ,the operators should ensure that the is free to turn by heaving on the guy by

hand.

A. topping-lift cleat B. gooseneck C. cargo runner D. cathead

[1992] What would be prima facie evidence of unseaworthiness .

A. Overloading B. Overstowage C. Overbooking D. Overcarriage

[1993] Clearance gauges at bridges indicate .

- A. the height of the tide
- B. depth of water under the bridge
- C. charted vertical clearance at mean low water
- D. distance from the water to low steel of the bridge

[1994] A twin-screw vessel is easier to maneuver than a single-screw vessel because the twin-screw vessel_____ .

- A. permits the rudder to move faster
- B. generaies more power
- C. can turn without using her rudder
- D. can suck the water away from the rudder

[1995] While your vessel is taking on fuel you notice oil on the water around the vessel. What should you do FIRST?

- _____ .
- A. Stop the fueling
 - B. Notify the MSA or Coast Guard
 - C. Notify the terminal superintendent
 - D. Determine the source of the oil

[1996] The disinfection of various compartments in a vessel by filling with a gaseous agent to destroy rats and all insects pests which act as germ carriers means_____ .

A. displacement B. fumigation C. discharging D. compensation

[1997] A decrease in barometric pressure is associated with, all of the following except .

- A. rising warm air
- B. proximity to a low pressure area
- C. inward spiraling circulation
- D. clear dry weather

[1998] What kind of action must be taken in the event of total failure of the inert gas system during discharge/COW? .

- A. Stop the discharge/COW
- B. Call the chief engineer
- C. Stop the COW and reduce the discharge rate
- D. Call captain

[1999] Which types of portable fire extinguishers are designed for use on electrical fires? _____

- A. Dry chemical and carbon dioxide
- B. Foam (stored pressure) and soda-acid
- C. Carbon dioxide and foam (stored pressure)

D. Dry chemical and soda-acid

[2000] Before using a fixed CO₂ system to fight an engine room fire, it is not necessary to _____ .

A. secure the engine room ventilation B. secure the machinery in the engine room

C. evacuate all engine room personnel D. smother the fire first

[2001] Chafing gear _____ .

A. reduces and prevents corrosion of standing rigging

B. prevents corrosion of running rigging

C. reduces and prevents wear caused by the rubbing of one object against another

D. protects the body against extreme cold

[2002] The latest known details of lights, light-structures, light-vessels, light-floats, lanterns and fog signals are given in _____ .

A. admiralty list of lights B. admiralty list of Radio Signals

C. admiralty digital list of lights D. tidal stream atlases

[2003] While loading bunkers, you notice oil on the water near the vessel. What should you do first? _____

A. Stop loading B. Notify the Port Authority

C. Notify the terminal superintendent D. Determine if your vessel is the source

[2004] The document that establishes the facts of a casualty and is the prima facie relief from liability for the damage is the _____ .

A. adjuster's report B. insurance policy C. invoice D. master's protest

[2005] _____ is a point midway between the forward and the after perpendicular.

A. Length overall B. After perpendicular C. Amidships D. Extreme breadth

[2006] When arranging cargo for in the holds, we should give first consideration to ship's seaworthiness and her being in a good sea-going trim after loading.

A. dunnage B. separation C. stowage D. operation

[2007] _____ is the level applying for as long as there is a heightened risk of a security incident, requiring additional security measures.

A. Security level 0 B. Security Level 1 C. Security Level 2 D. Security Level 3

[2008] A wire rope that has been overstrained will show _____ .

A. a bulge in the wire where the strain occurred

B. a decrease in diameter where the strain occurred

C. a kink in the wire where the strain occurred

D. no visible effects of an overstrain

[2009] Given the same water depth and line tension, the holding power of a 19 pound/foot wire rope mooring system in comparison to the holding power of a 90 pound/foot chain mooring system will be _____

A. weaker B. equal C. greater D. indeterminable

[2010] You should FIRST treat a simple fracture by _____.

A. attempting to set the fracture B. preventing further movement of the bone

C. applying a tourniquet D. alternately applying hot and cold compresses

[2011] In the Northern Hemisphere, a wind that shifts counterclockwise is a _____.

A. veering wind B. backing wind C. reverse wind D. chinook wind

[2012] Limit switches are used on which davits? _____.

A. Sheath-screw davits B. Gravity davits C. Radial davits D. Quadrantal davits

[2013] A vessel's immediate protection in the event of a broken stern tube is a/an _____.

A. aft collision bulkhead B. stern frame bulkhead

C. after peak bulkhead D. aft machinery space watertight bulkhead

[2014] _____ will not improve VSL's initial stability.

A. Removing loose water

B. Adding weight low in the vessel

C. Closing crossover valves between partly filled double bottom tanks

D. Deducting weight low from the vessel

[2015] Combustible gas indicators measure the presence of combustible gas as a percentage of the _____.

A. flash point B. upper explosive limit

C. lower explosive limit D. fire point

[2016] _____ is the scattering and absorption of the energy in the radar beam as it passes through the atmosphere.

A. Attenuation B. Diffraction C. Refraction D. Orientation

[2017] A cloud sequence of cirrus, cirrostratus, and altostratus clouds followed by rain usually signifies the approach of a(n) _____.

A. occluded front B. stationary front C. warm front D. cold front

[2018] Sluicing or slushing wire rope will _____.

A. prevent internal and external rust and corrosion

B. reduce chafing and increase its useful service life

C. reduce internal friction within the wire

D. decrease its strength

[2019]The NW limit of Dover Straight is.

A. the S and SE coast of england

B. a line across the english channel joining bognor regis ($50^{\circ} 46'N 0^{\circ} 41'E$) to cap d' antifer ($49^{\circ} 41'N 0^{\circ} 10'E$)

C. the SE coast of the netherlands

D. the river thames

[2020] High values of _____ are associated with good course directional stability.

A. B/T B. L/B C. block coefficient D. prismatic coefficient

[2021] All of the following records are usually maintained by the watch-standing officers aboard a vessel EXCEPT the _____.

A. deck logbook B. official logbook

C. compass record book D. chronometer error book

[2022] _____ may be a warning for an approaching storm.

A. The presence of cirrus clouds B. The low-hanging stratus clouds

C. The altocumulus clouds D. The massive cumulus clouds

[2023] After having activated the emergency position indicating radio beacon, you should _____.

A. turn it off for 5 minutes every half-hour B. turn it off and on at 5 minute intervals

C. turn it off during daylight hours D. leave it on continuously

[2024] _____ are known as decks.

A. Those structures dividing up cargo spaces

B. Vertical steel walls going across the ship and along

C. The walls of engine room, cargo space and a number of tanks

D. Those structures dividing the hull horizontally

[2025] Which action should be taken FIRST if your tow is sinking in shallow water? _____.

A. Pay out the towline until the sunken tow reaches bottom

B. Sever the towline

C. Immediately head for the nearest shoreline

D. Contact the Coast Guard

[2026] A V-shaped ripple with the point of the V pointing upstream in a river may indicate a _____.

A. submerged rock, not dangerous to navigation

B. sunken wreck, not dangerous to navigation

C. towed-under buoy

D. shoal

[2027] The difference between the height of " high water" and the next succeeding or last preceding "low water" is_____ ?

A. the height of the tide B. the rise of the tide

C. the range of the tide D. the vertical distance

[2028]ALL GEAR, SUCH AS PILOT LADDER, ACCOMMODATION LADDER, HOIST, ETC. , NECESSARY FOR A SAFE TRANSFER OF THE PILOT is known as .

A. riggings B. gears C. boarding arrangements D. fittings

[2029]Your tanker is fully loaded, and you find that she is down slightly by the head. To adjust the trim,you may_____

A. add ballast aft B. load more cargo aft C. shift cargo aft D. discharge cargo fore

[2030]You are using a radar in which your own ship is shown at the center, and the heading flash always points to 0° . If bearings are measured in relation to the flash, what type of bearings are produced? _____ .

A. Relative B. True C. Compass D. Magnetic

[2031] Your ship is dead in the water with the rudder amidships. As the right-handed screw starts to turn ahead, the bow will tend to go .

A. to starboard B. to port

C. straight ahead D. as influenced by the tide and sea

[2032] _____ is a service of INMARSAT C's Enhanced Group Call (EGC) system.

A. LES B. ESA C. NCS D. Safetynet

[2033]A VESSEL, OTHER THAN A RESCUE UNIT, DESIGNATED TO CO-ORDINATE SURFACE SEARCH AND RESCUE OPERATION WITHIN A SPECIFIED AREA is known as _____

A. salving vessel B. co-ordinator surface search

C. MERSAR D. the vessel being salvaged

[2034] When backing down with sternway, the pivot point of a vessel is_____.

A. about one-quarter of the vessel' s length from the stem

B. at the bow

C. about one-third of the vessel' s length from the bow

D. aft of the propellers

[2035] A deep draft VLCC navigating in a narrow channel or canal .

A. draws more water than when underway in deep water

B. draws less water with an increase in speed

C. requires less power for a given speed

D. steers better under full power

[2036] Convection spreads a fire by .

A. heated gases flowing through ventilation systems

B. the transfer of heat across an unobstructed space

C. burning liquids flowing into another space

D. transmitting the heat of a fire through the ship's metal

[2037] How does current and drift effect the relative motion, relative vector presentation?

A. No effect

B. Producing small errors in calculated aspect

C. Producing large errors in calculated aspect

D. Produce errors in calculated CAP/TCPA

[2038] _____ is the tendency of a vessel to return to its original position after it is displaced therefrom.

A. Inclining moment

B. Stability

C. Shearing force

D. Bending moment

[2039] SEAWORTHINESS means _____ the vessel with her master and crew is herself fit to encounter the perils of the voyage and also that she is fit to carry the cargo safely on that voyage.

A. which

B. where

C. when D. that

[2040] An embarked Pilot .

A. is a specialist hired for his local navigational knowledge

B. is solely responsible for the safe navigation of the vessel

C. relieves the Master of his duties

D. relieves the officer of the watch

[2041] Cumulonimbus clouds can produce .

A. dense fog and high humidity

B. gusty winds, thunder, rain or hail, and lightning

C. clear skies with the approach of a cold front

D. a rapid drop in barometric pressure followed by darkness

[2042] When towing astern, increased catenary will .

A. increase control of the tow

- B. prevent the towing vessel from going in irons
- C. make the towing vessel less maneuverable
- D. reduce shock stress on the towing hawser

[2043] In case of any sudden worsening of the weather and/or sea conditions, you shall

- A. call the Master early on
- B. run plot of the ship' s position
- C. relieve the conn of the officer
- D. make an announcement over the ship's PA system

[2044] You would properly secure a gantline to a bosun' s chair with a .

- A. fisherman' s bend B. bowline
- C. double sheet bend D. double blackwall hitch

[2045] You are fueling your vessel when you notice oil in the water around your vessel. You should immediately stop fueling and .

- A. begin cleanup operations B. notify the coast guard/MSA
- C. leave the area D. notify the corps of engineers

[2046] A mark or place at which a vessel comes under obligatory entry, transit, or escort procedure is known as____ .

- A. way point B. receiving point C. reporting point D. closest Point

[2047] Which will most likely occur when entering shallow water? .

- A. Rudder action will become more effective B. The vessel's list will change
- C. The vessel's trim will change D. An increase in speed will occur

[2048]The use of between bags may lead to chafage and tearing of the bags.

- A. strips of burlap B. heavy paper C. dunnage boards D. strips of rope yarn

[2049]The Pilotage-quarantine anchorage, between Damen Dao and Qingshan Dao,is de?fined by the lines the given points.

- A. situated/connected B. situated/connecting
- C. situating/connected D. situating/connecting

[2050] In determining if risk of collision exists the following considerations shall be among_____

- A. these taken into calculation B. those taking into account
- C. that taken into account D. those taken into account

[2051]The jackknife stored on an inflatable liferaft will always be located .

- A. in one of the equipment bags B. in a special rocsiet near the forward entrance

C. on a cord hanging from the canopy D. in a pocket or the first aid kit

[2052] You are maneuvering a vessel with a right-hand propeller. The rudder is amidships. The vessel will generally back_____.

A. to port

B. to starboard

C. in a straight line directly astern

D. downstream, the stern going in the direction of the current

[2053] In vessel construction, a greater number of watertight bulkheads results in_____.

A. increased capacity to set flooding boundaries

B. decreased capacity to set flooding boundaries

C. reduced compartmentation

D. greater deck load capacity

[2054] When cargo is shifted from the main deck into the lower hold of a vessel,_____.

A. the metacenter will move downward B. the GM will increase

C. the center of buoyancy will move upward D. the list of the vessel will become great

[2055] On which type davit does the davit head stay at the same height? .

A. Radial B. Sheath-screw C. Quadrantal D. Gravity

[2056] _____ is a term denoting the determination of a ship's position by observations of Celestial or terrestrial objects, or by a combination of both.

A. Course-planning B. Position-fixing C. Radar-plotting D. Stowage-plan making

[2057] A hygroscopic cargo is defined as a cargo

A. capable of absorbing moisture in the form of a gas

B. capable of giving off moisture in the form of a liquid

C. that is shipped in a liquid state

D. that will ignite in contact with water

[2058] Your vessel has lifeboats on both sides. Lifeboat No. 2 is located_____.

A. forward of lifeboat No. 4 on the starboard side

B. forward of lifeboat No. 4 on the port side

C. aft of lifeboat No. 1 on the starboard side

D. any position

[2059] You have taken another vessel in tow. You can tell that the towing speed is too fast when the_____.

- A. vessels are not in step B. tow line feels like it is jumping when touched
C. catenary comes clear of the water D. towed vessel goes in irons

[2060] A pattern that at the crest the motion of each particle is forward and at the trough it is backward relative to the wave's motion is .

- A. a trochoid B. a spheroid C. a loxodrome D. a carene

[2061] Which statement is TRUE of a gasoline spill? _____ .

- A. It is visible for a shorter time than a fuel oil spill
B. It is not covered by the pollution laws
C. It does little harm to marine life
D. It will sink more rapidly than crude oil

[2062] Temperature and moisture characteristics are modified in a warm or cold air mass due to_____

- A. pressure changes in the air mass B. movement of the air mass
C. the heterogeneous nature of the air mass D. upper level atmospheric changes

[2063] A vessel proceeding to London, England, from New York makes an unscheduled call at the port of Hamilton, Bermuda. What term is used to denote the voluntary departure from the usual course? _____.

- A. Alteration B. Deviation C. Liberty D. Unscheduled stop

[2064] The term of LANDFALL means .

- A. land first sighted when vessel approaching from seaward
B. land last sighted when vessel leaving from a port
C. in sight of one another when vessel underway
D. in sight of an island during a ship on her voyage

[2065] Paints and solvents on a vessel should be .

- A. stored safely at the work site until work is completed
B. returned to the paint locker after each use
C. covered at all times to protect from ignition sources
D. stored in a suitable gear locker

[2066] Every new crude oil tanker of 20000 tons deadweight and above shall be fitted with a cargotank cleaning system using_____ .

- A. hot water B. cold water C. chemicals D. crude oil washing

[2067] High clouds, composed of small white flakes or scaly globular masses, and often banded together to form a mackerel sky,would be classified as .

A. cirrus B. cirrocumulus C. altostratus D. cumulonimbus

[2068] In restricted visibility a towed vessel must sound a fog signal when it is .

- A. the last vessel in the tow
- B. the last vessel in the tow and it is carrying a crew
- C. manned, regardless of its position in the tow
- D. carrying no crew

[2069] are usually established to prevent possible grounding of tankers and other ships carrying hazardous cargo in environmentally sensitive areas.

- A. Areas to be avoided B. Regulated waterways C. Confined waterways D. TSS' s

[2070] The abbreviation PPI in the Sperry Collision Avoidance System means .

- A. plan position indicator B. plain position indicator
- C. plane position indication D. policy proof of interest

[2071] In case of accidents the risk of sinking, all effective measures shall be taken to steer clear of the fairway to avoid the traffic.

- A. involving/impeding B. involved/to impede
- C. involving/to impede D. involved/impeding

[2072] All of the following are engaged in fishing EXCEPT .

- A. a vessel trawling B. a vessel trolling
- C. a vessel setting nets D. a vessel tending lines

[2073] During the voyage he encountered boisterous winds and heavy weather during which time the vessel ____ heavily and to such an extent that at times it was necessary to change course.

- A. moved B. labored C. drove D. went

[2074] You sight a vessel showing a white light under a green light. This would indicate which of the following? ____

- A. A vessel fishing with nets B. A vessel engaged in underwater operations
- C. A vessel surveying D. A vessel trawling

[2075] The dead reckoning .

- A. will minimize the importance of other methods of determining position
- B. is likely to become more accurate in an emergency
- C. will cause electronic systems to fail
- D. is easier than other types of navigation

[2076] The SMS should provide for specific measures aimed at promoting the of equip?ment or systems the sudden

operational failure of which may result in hazardous situations.

- A. visibility B. ability C. reliability D. capability

[2077] The Benguela Current flows in a .

- A. SW' ly direction along the NW coast of Africa
B. S' ly direction off the East Coast of Australia
C. NW' ly direction along the SW coast of Africa
D. SW' ly direction along the SE coast of Greenland

[2078] Fetch is the.

- A. distance a wave travels between formation and decay
B. stretch of water over which a wave-forming wind blows
C. time in seconds required for two crests to pass a given point
D. measurement of a wave's steepness

[2079] Anchor shackles should have a breaking strength that is .

- A. equal to the chains they are connecting
B. 25% more than the chains they are connecting
C. 50% more than the chains they are connecting
D. 100% more than the chains they are connecting

[2080] If there were suddenly an immediate danger for both the vessel and its crew, would you send a MAYDAY on _____?

- A. Ch06 with dual watch B. Ch06 with 25 watts oupt
C. Chi6 with 1 watt oupt D. Chi6 with 25 watts oupt

[2081] is used for receiving maritime safety information which is automatically printed by the receiver.

- A. NAVETEX receiver
B. Search and rescue transponder
C. Emergency position indicating radio beacon
D. Digital selective calling

[2082]A vessel is in sight of another vessel when she .

- A. can be observed by radar
B. has determined that risk of collision exists
C. is sounding a fog signal which can be heard on the other vessel
D. can be observed visually from the other vessel

[2083] After splicing an eye in a piece of wire rope, the splice should be parceled and served to _____

- A. strengthen the line
- B. increase its efficiency
- C. prevent hand injury by covering loose ends
- D. make the line more flexible

[2084] A vessel may enter a traffic separation zone .

- A. in an emergency
- B. to engage in fishing within the zone
- C. to cross the traffic separation scheme
- D. in emergency, fishing or crossing the lane

[2085] You wish to communicate information that the swell in your area is 2.5 ~ 3.0 m in height and from the northeast. This swell, as defined in the International Code of Signals, would be described as _____.

- A. rough
- B. moderate
- C. high
- D. confused

[2086] In twin-screw engine installations while going ahead, maneuvering qualities are most effective when the tops of the propeller blades both turn _____ .

- A. to starboard
- B. outboard from the center
- C. to port
- D. inboard toward the center

[2087] A ship with accommodation block aft is stopped in water, she will settle in a heading _____

- A. with the wind on her bow
- B. with the wind slightly aft of the beam
- C. with the wind slightly forward of the beam
- D. with the wind on her stern

[2088] Before entering the chain locker, you check all the followings except _____ .

- A. have someone standing by
- B. make sure there is sufficient air within the locker
- C. de-energize the windlass
- D. make sure Fresh water is enough on board

[2089] For small, first-degree burns the quickest method to relieve pain is to _____ .

- A. immerse the burn in cold water
- B. administer aspirin
- C. apply petroleum jelly
- D. apply a bandage to exclude air

[2090] Radio Facsimile Broadcasts and Radio Weather Services are contained in _____ .

- A. admiralty tide tables
- B. windows-based tidal prediction program
- C. navtex and SafetyNET information
- D. admiralty list of radio signals

[2091] If you have to jump in the water when abandoning a vessel, your legs should be _____ .

- A. spread apart as far as possible

B. held as tightly against your chest as possible

C. in a kneeling position

D. extended straight down and crossed at the ankles

[2092] A shroud is .

A. any wire running fore-and-aft on a ship

B. any wire with a fiber core

C. a heavy wire extending from the trunk of the mast to the head of the boom

D. a heavy wire extending from the mast, athwartships to the deck, to support the mast

[2093] In dense fog a vessel without operational radar may not be justified at all but should anchor if it is safe and practicable for her to do so.

A. to be underway B. on under way condition

C. to stop engine D. in being under way

[2094] Knowing the compass heading that is 90° to the side of a ship will enable the operator of a survival craft to initially steer .

A. into the wind B. away in fire and smoke

C. directly to the standby boat D. directly to the nearest land

[2095] Generally, when lifting an inflatable liferaft back aboard ship you would use the .

A. towing bridle B. main weather cover C. external lifelines D. righting strap

[2096] Where shall the key to CO2 room be kept?.

A. In master's cabin

B. In third office's cabin

C. In a break-glass-type enclosure conspicuously located adjacent to the room

D. In a locked locker conspicuously located adjacent to the room

[2097] _____ an international direct-printing satellite-based service for the promulgation of navigational and meteorological warnings, and distress alerts, forecasts, and other safety messages.

A. INMARSAT A B. INMARSAT C C. Safetynet D. NAVTEX

[2098] Which should NOT be a treatment for a person who has received a head injury and is groggy or unconscious? .

A. Give a stimulant B. Elevate his head C. Stop severe bleeding D. Treat for shock

[2099] The use of containers will make the cargo-handling safer if that the man-hours of exposure to risk will decrease.

A. for the other reason B. for the other reason than

C. not for the reason D. only for the reason

[2100] Where the loss or damage is , the notice of loss or damage should be given within 15 consecutive days after the day when the goods were handed over to the consignee.

- A. apparent B. readily detectable C. not apparent D. serious

[2101] should be used during the poor visibility if the radar's screen shows heavy sea re?turns.

- A. Gain Control B. Brilliant Control
C. Anti-clutter Sea Control D. Sweep Intercept

[2102] It's to stow optional cargo in the lower hold. You' d better give it block stowage in the tweendecks,then it can be easily discharged either at Shanghai,or Dalian or Tianjin.

- A. possible B. impossible C. proper D. improper

[2103]A Mercator chart is a .

- A. cylindrical projection B. simple conic projection
C. polyconic projection D. rectangular projection

[2104]The term RESTRICTED VISIBILITY means any condition in which visibility is restricted by

- A. fog, mist
B. fog, mist, falling snow
C. fog, mist, falling snow, heavy rainstorms
D. fog, mist, falling snow, heavy rainstorms or any other similar causes

[2105] Brief, violent showers frequently accompanied by thunder and lightning are usually associated with .

- A. passage of a warm front
B. passage of a cold front
C. winds shifting counterclockwise in the Northern Hemisphere
D. stationary high pressure systems

[2106] Two short blasts of the whistle have all of the following meanings EXCEPT .

- A. I intend to meet you starboard to starboard
B. I do not intend to hold course and speed
C. I intend to overtake you on your port side
D. I intend to alter my course to port

[2107] Reliable delivery of messages is ensured by techniques.

- A. forward error correction B. aftward error correction
C. DGPS D. error-free and low error reception

[2108]The distances always have to be measured from the nearest scale on a Mercator chart, due to the fact that .

A. it is the most efficient way B. it varies with the latitude

C. it varies with the longitude D. it is the most straight line

[2109] shall be provided in every cargo tank and slop tank in accordance with the appropriate Resolutions.

A. A load on top system B. Direct line system

C. Circle line system D. An inert gas system

[2110] A first magnitude star is

A. 2.5 times as bright as a second magnitude star

B. 3 times as bright as a second magnitude star

C. 5 times as bright as a second magnitude star

D. 10 times as bright as a second magnitude star

[2111] You receive a call from the MSA OF CHINA addressed to all stations. The call begins with the words Pan-Pan (3 times). Which type of emergency signal would this be? _____.

A. Safety signal B. Urgency signal C. Distress signal D. Red alert signal

[2112] During the towing of a survival craft, a lookout should be on station to .

A. release the towline in an emergency B. help the helmsman steer

C. look for food and water D. check the water level in the bilge

[2113] When cutting regular-lay wire rope, what is the minimum number of seizings to be placed on each side of the cut?

A. One

B. Two, and three on rope diameters over 1 inch

C. Three, and more on larger diameter wire ropes

D. Four

D. Four

[2114] Good anchorage may be obtained anywhere in this water area, the bottom being generally mud and sand, vessel may have.

A. good getting ground B. good holding ground

C. good grabbing ground D. good handling ground

[2115] Regular foam can be used on all but which flammable liquid? .

A. Motor gasoline B. Jet fuel C. Crude petroleum D. Alcohol

[2116] A vessel with a small GM will .

A. have a large amplitude of roll

B. provide a comfortable ride for the crew and passengers

C. have drier decks in heavy weather

D. be likely to have cargo shift in heavy weather

[2117] _____ shall be conducted in a manner that minimizes the disturbance of rest periods and does not induce fatigue.

A. All work on board the ship

B. Engine watch-keeping

C. Bridge watch-keeping

D. Musters, fire-fighting and lifeboat drills

[2118] Which statement is TRUE of centrifugal pumps aboard tankers? _____ .

A. They are positive displacement pumps

B. They are gravity-fed

C. They produce a pulsating flow

D. They require more maintenance than a reciprocating pump

[2119] If the Charterer loads or discharges the vessel in a shorter time than is allowed to him by the laydays, he may be entitled to _____ .

A. demurrage

B. despatch money

C. the payment for damage of detention .

D. the payment for quick despatch

[2120] The microsecond unit of time is used in radar applications. The microsecond represents which of the following?

A. One-millionth part of a second

B. One-thousandth part of a second

C. One-hundredth part of a second

D. One-tenth part of a second

[2121] The helm command SHIFT YOUR RUDDER means _____ .

A. check the swing of the vessel

B. double your rudder angle or go to full rudder

C. bring your rudder amidships

D. change from right rudder to left rudder, or vice versa, an equal number of degrees

[2122] _____ is caused by relatively warm air being cooled by flowing over a cooler sea surface.

A. Advection fog

B. Frontal or mixing fog

C. Radiation fog

D. Arctic sea smoke

[2123] By regulation, life preservers aboard an uninspected towing vessel must be _____ .

A. readily accessible

B. securely stowed

C. stored in sealed containers

D. stowed with the emergency provisions

[2124] You are overtaking a vessel at night and you see a yellow light showing above the stemlight of the overtaken vessel.

The overtaken vessel is_____ .

- A. underway and dredging B. pushing ahead or towing alongside
C. towing astern D. a pilot vessel

[2125]By night,you sight the lights of a vessel engaged in underwater operations. If an obstruction exists on the port side of the vessel, it will be marked by_____ .

- A. a floodlight B. two red lights in a vertical line
C. a single red light D. any visible lights

[2126]Any vessel_____ any other shall keep out of the way of the vessel .

- A. overtaking/overtaken B. being overtake/being overtaken
C. overtaking/being overtaken D. being overtaking/overtaken

[2127]Early indications of the approach of a hurricane may be all of the following EXCEPT_____

- A. short confused swells
B. gradually increasing white clouds (mare's tails)
C. pumping barometer
D. continuous fine mist-like rain

[2128]The high risk of collision in Dover Strait is caused by_____ .

- A. the strong tidal streams in the strait
B. the density of vessel traffic on passage through the strait
C. the gales and poor visibility
D. the fact that it is shallow and narrow

[2129]A vessel proceeding along the course of a narrow channel or fairway shall keep as near to the _____ limit of the channel or fairway which lies on her_____ side as is safe and practicable.

- A. inner,port B. inner,starboard C. outer,port D. outer,starboard

[2130]If heavy smoke is coming from the paint locker,the FIRST firefighting response should be to_____

- A. release the CO2 flooding system B. open the door to evaluate the extent of the fire
C. enter and use a portable extinguisher D. secure the ventilation

[2131]The region of high pressure extending around the Earth at about 35 ° N latitude is called the_____

- A. prevailing westerlies B. horse latitudes
C. troposphere D. doldrums

[2132]A Doppler speed log indicates speed over ground_____ .

- A. at all times B. in the bottom return mode

C. in the volume reverberation mode D. only when there is no current

[2133] _____ are contained in Section IV of Notice to Mariners weekly edition.

A. Explanatory Notes, Indexes to Section II B. Corrections to Admiralty Sailing Directions

C. Repaints of Radio Navigational Warnings D. Corrections to Admiralty List of Radio Signals

[2134] _____ the duties and obligations of a pilot, the pilot's presence on board does not relieve the master or watch-keeping officer from their duties and obligations for the safety of the ship.

A. In spite of B. As well as C. However. D. Moreover

[2135] After an occurrence of oil pollution, what shall be done first by a vessel in Chinese port? _____

A. Use oil dispersion agent and wait for investigation

B. Try to collect the oil on deck or in water

C. Report to Harbor Master

D. B and C

[2136] _____ is the average level of the lower of the two low waters on the days of spring tides

A. Mean lower low water springs B. Indian spring low water

C. Lowest normal low water D. Tropic lower low water

[2137] A single fitting installed in a pipeline that either blanks off the pipe or allows a full flow passage of a liquid through the pipe is referred to as a _____ .

A. blind flange B. pivot coupling

C. quick-release coupling D. spectacle flange

[2138] What is the proper direction of flow through a globe valve when the valve is installed to be in a normally open position? _____

A. Direction is unimportant B. Depends on seat configuration

C. From below the seat D. From above the seat

[2139] At night you observe a vessel ahead show three flashes of a white light. This signal indicates that the vessel ahead is

A. in distress B. approaching a bend in the channel

C. operating astern propulsion D. intending to overtake another vessel

[2140] You are steaming west in the North Atlantic in an extratropical cyclonic storm, and the wind is dead ahead.

According to the law of Buys Ballot, the center of low pressure lies to the _____ .

A. north B. south C. east D. west

[2141] The BEST method of applying foam to a fire is to _____ .

- A. spray directly on the base of the fire B. flow the foam down a nearby vertical surface
C. sweep the fire with the foam D. spray directly on the surface of the fire

[2142]On either side of York River Entrance Channel, there are areas bounded by short-long magenta lines and marked by yellow buoys. These areas are _____ .

- A. fish trap areas B. designated anchorages
C. spoil areas D. naval exercise areas

[2143]When you doubt the existence of risk of collision, _____ .

- A. such risk shall be deemed to exist
B. such risk shall not be deemed to exist
C. you needn't take any action to avoid collision with any vessel
D. you should accelerate your speed ahead

[2144]Manila lines in which the strands are right-hand laid _____ .

- A. should be coiled in a clockwise direction
B. should be coiled in a counterclockwise direction
C. may be coiled either clockwise or counterclockwise
D. should never be coiled

[2145]A vessel in distress should send by radio telephone the two tone alarm signal followed immediately by the _____ .

- A. distress position B. spoken words mayday, mayday, mayday C. ship's name D. ship's call letters

[2146] A ship is responsible for the cargo loaded or unloaded _____ .

- A. only when the cargo is within its rail
B. after the cargo is checked by tallymen
C. as soon as the cargo loading or unloading begins
D. during the time when loading or unloading is going on

[2147]If a weather bulletin shows the center of a low pressure system to be 100 miles due east of you,what winds can you expect in the Southern Hemisphere? _____ .

- A. South-southwesterly B. North-northwesterly C. South-southeasterly D. North-northeasterly

[2148]What is important to check when transferring a position from GPS to a chart? _____ .

- A. Reading the position correctly
B. Plotting the position correctly
C. Make sure that the chart and the GPS use same datum

D. Make sure the map is updated

[2149]If, during helicopter refueling operations, fuel is spilled on clothing, the person should first _____.

- A. see the medic immediately
- B. spray himself with foam or CO₂
- C. complete his task and then see the medic
- D. remove the clothing and wash

[2150]Which statement is TRUE concerning life jackets which are severely damaged? _____.

- A. They should be replaced
- B. They must be tested for buoyancy before being continued in use
- C. They can be repaired by a reliable seamstress
- D. They can be used for children

[2151]The _____ primary wind belt which has the greatest effect on the set, drift, and depth of the equatorial currents is the _____.

- A. doldrums
- B. horse latitudes
- C. trade winds
- D. prevailing westerlies

[2152]In any major injury to a person, first aid includes the treatment for the injury and _____.

- A. application of CPR
- B. removal of any foreign objects
- C. administration of oxygen
- D. for traumatic shock

[2153]Generally speaking, the heavier cargo will go into the _____, distributing it evenly fore and aft, the lighter cargo will probably be placed in the _____.

- A. deep tanks/lower holds
- B. lower holds/tweendecks
- C. tweendecks/deep tanks
- D. deep tanks/tweendecks

[2154]All electrical appliances aboard a vessel should be grounded to _____.

- A. prevent them from falling when the vessel rolls
- B. protect personnel from electrical shock
- C. increase their operating efficiency
- D. prevent unauthorized personnel from operating them

[2155]A _____ power-driven vessel, when towing astern, shall show _____.

- A. two towing lights in a vertical line
- B. a towing light in a vertical line above the sternlight
- C. two towing lights in addition to the sternlight
- D. a small white light in lieu of the sternlight

[2156] The Admiralty Notices to Mariners can be obtained _____ by Masters of vessels from any Admiralty Chart Agent.

A. free of charge B. with no responsibility C. without limitations of distribution D. with little charges

[2157] ,as the chemical extinguisher agent,should be used for an electric fire.

A. Dry chemical or foam B. Foam or soda acid

C. Carbon dioxide on foam D. Carbon dioxide or dry chemical

[2158] When two power-driven vessels are meeting on reciprocal or nearly reciprocal courses so as to involve risk of collision, they shall be deemed to be in _____ . .

A. crossing situation B. head-on situation

C. restricted visibility D. overtaking situation

[2159]Current IMO/IHO standards for ECDIS recognize _____ .

A. only the vector format of chart B. only the raster format of chart

C. both raster and vector formats of chart D. neither raster nor vector formats of chart

[2160]CAPE WEST WIND WEST TO SOUTHWEST 15 TO 20 KNOTS WEATHER SHOWERS. This description is likely to be under the heading of _____ .

A. FORECAST B. STORM WARNING C. GENERAL SITUATION D. MAP ANALYSIS

[2161] After abandoning a vessel, water that is consumed within the first 24 hours will _____ .

A. pass through the body with little absorbed by the system

B. help to prevent fatigue

C. quench thirst for only 2 hours

D. help to prevent seasickness

[2162]An occulting light is one in which.

A. the period of darkness exceeds the period of light

B. there is only a partial eclipse of the light

C. the periods of light and darkness are equal

D. the period of light exceeds the period of darkness

[2163]If _____ the goods shipped are perishable,low cost goods,live animals,deck cargo,etc. ,the freight and all related charges shall be paid _____ .

A. at the time of shipment B. on vessel's arrival

C. at the time of sailing D. At the time the voyage has been accomplished

[2164]A patient in shock should NOT be placed in which position? _____ .

A. On their side if unconscious

B. Head down and feet up,no injuries to face or head

C. Flat on their back with head and feet at the same level

D. Arms above their head

[2165] are not among the services provided by ANMO.

A. Full-Colour Blocks

B. Annual Summary of Notices to Mariners

C. Cumulative List of Admiralty Notices to Mariners

D. World-wide Navigation Warnings

[2166] Where one of two vessels is to keep out of the way the other .

A. shall not keep her course but shall keep her speed

B. shall not keep her course and speed

C. shall keep her course but change her speed

D. shall keep her course and speed

[2167] You are in restricted visibility and hear a fog signal forward of the beam. Nothing appears on your radar screen. You must .

A. stop your engines B. sound two prolonged blasts of the whistle

C. sound the danger signal D. slow to bare steerageway

[2168] _____ is the depth of the vessel at ship's side from the upper deck to the lowest point of the keel.

A. Extreme draft B. Molded draft C. Extreme depth D. Molded depth

[2169] A chock .

A. is a deck fitting used to shackle gear to the deck

B. permits easy jettisoning of deck cargo in an emergency

C. prevents stress concentration in the bulwark

D. provides openings through the bulwark for mooring lines

[2170] Every entry required to be made in the Official Logbook shall be signed by the .

A. mate on watch

B. master and Chief Mate or other member of the crew

C. master only

D. purser, one of the Mates, and some other member of the crew

[2171] Changing rescuers while carrying out artificial respiration should be done .

A. without losing the rhythm of respiration

B. only with the help of two other people

C. by not stopping the respiration for more than 5 minutes

D. at ten-minute intervals

[2172]A flooded lifeboat on board a vessel would adversely affect the vessel' s stability by _____.

A. increasing the righting moment B. decreasing the vessel' s displacement

C. increasing the reserve buoyancy D. shifting the CG (center of gravity) off center

[2173]Cirrus clouds followed by cirrostratus then altostratus, stratus, and occasionally nimbostratus indicate the approach of a(n) _____.

A. cold front B. warm front C. tropical front D. occluded front

[2174]A 20-meter power-driven vessel pushing ahead or towing alongside will display _____.

A. a single white light forward

B. two masthead lights in a vertical line

C. two towing lights in a vertical line

D. two all-round red lights where they can best be seen

[2175] High concentrations of H₂S gas are most dangerous to personnel because they can _____.

A. cause involuntary muscle contractions B. paralyze your breathing system

C. cause eye inflammation D. cause dizziness

[2176] _____ is a defined area within which ships must use particular caution and should follow the recommended direction of traffic flow.

A. Recommended Direction of Traffic Flow B. Roundabout

C. Separation Zone or Line D. Precautionary Area

[2177]Deviation is caused by _____.

A. changes in the earth' s magnetic field

B. nearby magnetic land masses or mineral deposits

C. magnetic influence inherent to that particular vessel

D. the magnetic lines of force not coinciding with the lines of longitude

[2178]]If the officer on watch is in any doubt as to the pilot's actions, or intentions, he should _____.

A. notify the Captain as soon as possible B. seek clarification from the pilot

C. take action by his own judgment D. cease the duty of pilot's at once

[2179]LOW AT 34N 135E ESLY SLWLY INTST NC. This description is most likely to be under the heading of _____ ,

A. GL WNG B. GEN SYN C. STM WNG D. T Y WNG

[2180]Which of the following is associated with consistently high barometric pressure? _____.

A. The horse latitudes

B. The doldrums

C. The prevailing westerlies D. The trade winds

[2181] _____ contains the wheelhouse with the control station, the chartroom where charts, pilot books and publications are kept, and the radio room.

A. The double bottom B. The cofferdam

C. The navigating bridge D. The superstructure

[2182] At the time of loading at Nagoya present voyage _____ 17th Sept one case merchandise marks probably ABC was reported to have been overloaded and mixed into Seattle cargo, about which, we believe, you have already been informed by the Nagoya people.

A. in B. with C. on D. about

[2183] What is the purpose of the girders in the tank? .

A. They support the stiffeners

B. They transfer all the sea forces acting on the plating

C. They support the stiffeners and take up some of the sea forces

D. They support the weather deck

[2184] The agonic line on an isomagnetic chart indicates the _____ .

A. magnetic equator

B. magnetic longitude reference line

C. points where there is no variation

D. points where there is no annual change in variation

[2185] The Light List shows a lighted aid to navigation on the left bank. This means that the light can be seen on the starboard side of a vessel _____ .

A. ascending the river B. descending the river

C. crossing the river D. proceeding towards sea

[2186] On a weather map, a large letter "H" means _____ .

A. a high pressure area with cool, dry air, and fair weather

B. a high pressure area with warm, moist air, and inclement weather

C. horse latitudes, With rough seas and strong winds

D. a heavy squall line near the "H"

[2187] _____ is an area within the radiotelephone coverage of at least one VHF coast station in which continuous Digital Selective Calling is available.

A. Sea Area A1 B. Sea Area A2 C. Sea Area A3 D. Sea Area A4

[2188]In order to correctly open a new coil of manila line,you should .

- A. pull the tagged end from the top of the coil
- B. pull the tagged end through the eye of the coil
- C. secure the outside end and unroll the coil
- D. unreel the coil from a spool

[2189] _____. is an aviation organization.

- A. MRCC B. MRSC C. ICAO D. SOSREP

[2190]A chock is a .

- A. deck fitting used to secure mooring lines
- B. casting fitted at the side of a weather deck, used as a fairlead
- C. sharp block of wood used to support hygroscopic cargo
- D. smoke pipe for the galley stove

[2191]Before loading bulk grain, bilge wells must be covered to .

- A. add strength to the bilge well strainer
- B. permit rapid flow of water to the bilge wells
- C. prevent cargo sifting into the bilge wells
- D. prevent oil, water, or other liquid from reaching the cargo

[2192]A "fifteen-pound" CO2 extinguisher is so called because .

- A. there are fifteen pounds of CO2 in the container
- B. the container, when full, weighs fifteen pounds
- C. the pressure at the discharge nozzle is 15 psi
- D. the empty container weighs fifteen pounds

[2193]Clouds appearing in the following order; cirrus, cirrostratus, altostratus, stratus, and nimbostratus usually indicate the approach of a(n) .

- A. warm front B. occluded front C. medium front D. cold front

[2194]With headway, the pivot point lies .

- A. between the stern and 1/4 of the ship's length from the stern
- B. between 1/4 and 1/3 of the ship's length from the stern
- C. in the middle of length of the ship
- D. between 1/4 and 1/3 of the ship's length from the bow

[2195] Which factor is not to be considered when making up a towing bridle? .

- A. The horsepower of the tug
- B. The desired amount of swing in the tow hook up
- C. The weight of the tow
- D. The heavy-lift carried by the tow

[2196] Which statement is TRUE of a stiff vessel? .

- A. She will have a large metacentric height
- B. Her period of roll will be large due to her large metacentric height
- C. She will have an unusually high center of gravity
- D. She will pitch heavily

[2197] Pilot Services, Vessel Traffic Services and Port Operations are contained in_____.

- A. admiralty Tide Tables
- B. admiralty List of Radio Signals
- C. navtex and SafetyNET information
- D. windows-based tidal prediction program

[2198] Advection fog is most commonly caused by .

- A. air being warmed above the dew point
- B. saturation of cold air by rain
- C. a rapid cooling of the air near the surface of the Earth at night
- D. warm moist air being blown over a colder surface

[2199] Which vessel is NOT regarded as being restricted in her ability to maneuver?

- A. A vessel servicing an aid to navigation
- B. A vessel engaged in dredging
- C. A towing vessel with tow unable to deviate from its course
- D. A vessel constrained by her draft

[2200] A frontal thunderstorm is caused by .

- A. pronounced local heating
- B. wind being pushed up a mountain
- C. a warm air mass rising over a cold air mass
- D. an increased lapse rate caused by advection of warm surface air

[2201] Ocean currents are well defined and .

- A. create large waves in the direction of the current
- B. change direction 360° during a 24 hour period

C. remain fairly constant in direction and velocity throughout the year

D. are characterized by a light green color

[2202] An on-load release system on a survival craft means the cable can be released

A. only when the load is taken off the cable

B. only when there is a load on the cable

C. only when activated by the controls at the lowering station

D. at any time

[2203]All of the following are distress signals EXCEPT .

A. the continuous sounding of any fog signal apparatus

B. giving five or more short and rapid blasts of the whistle

C. firing a gun at intervals of about a minute

D. a barrel with burning oil in it, on deck

[2204]Blocks in NM are .

A. notices adding detail to charts

B. notices deleting detail to charts

C. alterations to depth contours, deletion of depths which are not mentioned in notices as they have little navigational significance

D. reproductions of portions of charts

[2205] Insufficient space between the hull and bottom in shallow water will prevent normal screw currents resulting in all of the following except_____ .

A. waste of power B. sudden sheering to either side

C. sluggish rudder response D. proper trim for the area

[2206] It may be found that, in certain circumstances, radar beacon emissions can cause with the normal radar display, particularly at close range.

A. unwanted interference B. unexpected figures

C. abnormal data D. unwanted information

[2207] At sea, all required GMDSS equipment (other than survival craft equipment) must be proven operational by .

A. daily testing or operational use of the equipment

B. captain's checking

C. manufacturer's insurance

D. testing at least every 48 hours

[2208] _____ is an equipment used to detect the presence of ships, buoys, coast and many other targets and to obtain range and bearing of these targets.

- A. The marine sextant B. The chronometer C. The echo sounder D. The radar

[2209] Foam is a very effective smothering agent and _____.

- A. it provides cooling as a secondary effect
B. works well on extinguishing electrical fires
C. can be used to combat combustible metal fires
D. produces oxygen if applied properly

[2210] At night, a vessel shall indicate that she is restricted in her ability to maneuver by showing in a vertical line two _____.

- A. red lights B. red lights and two white lights
C. red lights with a white light in between D. white lights with a red light in between

[2211] In all but the most severe cases, bleeding from a wound should be controlled by _____.

- A. applying direct pressure to the wound B. submerging the wound in lukewarm water
C. cooling the wound with ice D. applying a tourniquet

[2212] In the case of new crude oil tankers, the additional ballast permitted shall be carried in cargo tanks only if such tanks have been _____ before departure from an oil unloading port or terminal.

- A. inerted B. crude oil washed C. diluted D. cleaned

[2213] All portable fire extinguishers must be capable of being _____.

- A. carried by hand to a fire B. carried or rolled to a fire
C. recharged in the field D. used on class B fires

[2214] The _____ telegram AFTER UNLOADING PROCEED MANILA IN BALLAST indicates that the ship will proceed to Manila _____.

- A. with dangerous cargo B. for discharging C. with no cargo on board D. for taking ballast

[2215] Instructions on how to conduct search and rescue are given in the _____ which is primarily designed for use by merchant ship.

- A. MARPOL B. IRPCS C. SOLAS D. MERSAR

[2216] The total magnetic effects which cause deviation of a vessel's compass can be broken down into a series of components which are referred to as _____.

- A. divisional parts B. coefficients C. fractional parts D. equations

[2217] Radar beacons are transmitters designed to produce a _____ on the screens of ship's radar sets.

- A. incorrect image B. distinctive image C. pictorial image D. pictographic image

[2218] Every oil tanker of 150 GT and above and every other ship of 400 GT and above must now carry on board a .

A. UKHO B. MRCC C. SOPEP D. MCA

[2219] A power-driven vessel shall have her engine ready for when the visibility is restricted.

A. immediately stop B. immediately maneuvering
C. immediately anchoring D. immediately going astern

[2220] In the Uniform Cardinal System of Buoyage, a buoy in the eastern quadrant from a danger could .

A. be black and white horizontally striped B. be black and white vertically striped C. have a red top mark D. have a green top mark

[2221] A Forty-Foot Auto Frame (FAF) is a .

A. cargo unit B. dangerous cargo container
C. doppler speed log D. gyro-compass and autopilot

[2222] You board an inflatable liferaft that has been hand launched from a sinking vessel. What should you do FIRST after everyone is onboard the liferaft?

A. Cut the painter B. Operate the radio equipment
C. Open the equipment pack D. Ventilate the liferaft of CO₂

[2223] The biggest problem you generally encounter while towing a single tow astern is .

A. the catenary dragging on the bottom B. swamping of the tow
C. the tow tending to dive D. yaw

[2224] Most of your vessel's superstructure is forward. How will the vessel lie when drifting with no way on? .

A. With the wind from ahead B. With the wind off the port beam
C. With the wind off the starboard beam D. With the wind from abaft the beam

[2225] is the system for the broadcast and automatic reception of maritime safety information by means of narrow-band direct-printing telegraphy.

A. Safety net B. NAVTEX C. NAVAREA D. VHF R/T

[2226] is used for calling and replying, and for transmitting acknowledging and relaying distress alerts.

A. NAVETEX receiver
B. Search and rescue transponder
C. Emergency position indicating radio beacon
D. Digital selective calling

[2227] Chart correction information is NOT disseminated through the .

A. summary of Corrections B. local notice to mariners C. daily Memorandum D. chart correction card

[2228] Of the following is not a control measure that may be imposed upon a ship.

- A. installation improvement
- B. delaying the ship or detention of the ship
- C. restriction of operations including movement within the port
- D. expulsion of the ship from port

[2229] You see another vessel approaching, and its compass bearing does not significantly change. This would indicate that_____ .

- A. you are the stand-on vessel
- B. risk of collision exists
- C. a special circumstances situation exists
- D. the other vessel is dead in the water

[2230] FINE, SEA MOD, ROUNDS MADE & ALL' s WELL. DR 50-00. 2N 001-40. 0W. LOG 67'. 2. This remark is likely made by the OOW_____ .

- A. at the beginning of his watch
- B. during his watch
- C. at the end of his watch
- D. in his cargo watch on deck

[2231] Who would normally certify that all preparations have been made and all regulations observed prior to loading a cargo of bulk grain?_____ .

- A. CCS
- B. MSA OF CHINA
- C. CCIC
- D. Master of the vessel

[2232] of the following conditions will cause a vessel's bottom to be subjected to tens;x stresses.

- A. Concentration of weight aft
- B. Concentration of weight forward
- C. Concentration of weight amidships
- D. Concentration of weight at both ends of the vessel

[2233] The Company will reimburse an officer/petty officer against application to cover incurred by him during joining/repatriation per tenure.

- A. freight
- B. passenger money
- C. all entertainment cost
- D. petty expenses

[2234] Prior to getting underway in fresh or brackish water, the Master must .

- A. log the density of the water
- B. secure all overboard discharges
- C. take on fresh water ballast
- D. clean the sides with fresh water

[2235] When a hurricane passes into high latitudes over colder water and the source of heat is disrupted , the storm assumes the characteristics of .

- A. a high pressure area
- B. an extratropical cyclone

C. a tropical storm D. an easterly wave

[2236] How many adult life jackets are required on board a ship? .

- A. Enough for 100 percent of the persons allowed on board
- B. One for each work station and industrial work site
- C. Enough for 150 percent of the persons allowed on board
- D. Both A & B above

[2237] The term power-driven vessel means in these Rules.

- A. any sailing vessel with propelling machinery
- B. any vessel propelled by machinery
- C. any sailing vessel with or without machinery for propelling
- D. any sailing vessel with propelling machinery not in use

[2238] First-, second-, and third-degree burns are classified according to the .

- A. area of the body burned B. source of heat causing the burn
- C. layers of skin affected D. size of the burned area

[2239] Puncture leaks in the lower tubes or bottom of an inflatable liferaft should FIRST be stopped by using_____

- A. sealing clamps B. repair tape
- C. a tube patch D. sail twine and vulcanizing kit

[2240] the vessel been afforded a safe refuge, protected from the wave bending moments and dynamic forces experienced in the open ocean, it would have remained intact and afloat for a sustained period.

- A. Had B. Should C. Would D. Might

[2241] MV SUDAN/MEAN AT 0200UTC IN POSITION 40.44N 141.52E PASSED A DERELICT ABOUT 40 TONS HALF SUBMERGED AND IS DRIFTING. This cable says that she met with possibly .

- A. a floating wreck B. a survivor at sea
- C. a man who had fallen overboard D. a drilling rig

[2242] A vessel is not in every way fitted for cargo service at the time of her delivery to the charterers her engine room staff is incompetent and inadequate, and accordingly she is unseaworthy.

- A. whether B. should C. shall D. if

[2243] The length and breadth of vessel in Colreg mean her .

- A. length between perpendiculars and molded breadth
- B. length between perpendiculars and greatest breadth
- C. length of over all and molded breadth

D. length of over all and greatest breadth

[2244] An intermediate spring is .

- A. fitted in each leg of the towing bridle
- B. generally located between the "fishplate" and the main towing hawser
- C. secured at the "H" bitts
- D. usually made of manila hawser

[2245] What is reserve buoyancy? .

- A. The amount of buoyancy measured in foot/tons
- B. The vertical distance above the waterline inside the hull
- C. The volume of space that is filled with water
- D. The volume of intact space above the waterline

[2246] _____ is known as a long hatch during loading operation.

- A. The largest hatch of a ship
- B. The hatch that is double rigged
- C. The hatch where a disproportionate amount of cargo is stowed
- D. The hatch where the most cargo is stowed

[2247] In practice, it is usual for the ship to be loaded to improve the vessel' s moveme: through the water.

- A. a little deeper aft B. a little deeper forward
- C. at the same draught between fore and aft D. a balance between two sides

[2248] An immersion suit should be equipped with a/an .

- A. air bottle for breathing B. whisde and hand held flare
- C. whistle,stroke light and reflective tape D. whistle,hand held flare and sea dye marker

[2249] A virtual rise in the center of gravity may be caused by .

- A. filling a partially filled tank
- B. using an on board crane to lift a freely swinging heavy object
- C. emptying a partially filled tank
- D. transferring ballast horn the forepeak to the after peak

[2250] Alter an oil spillage,the water-in-oil "Chocolate mousses" formed in sea water is the result of .

- A. evaporationB. dispersion C. emulsification D. sedimentation

[2251] Especially in adverse weather,risk of collision with an offshore supply vessel increases when the vessel is moored to what side of the unit? _____.

A. Upwind B. Downwind C. Crosswind D. Downcurrent

[2252] Opposition occurs when .

- A. the sun, earth, and moon are at right angles
- B. the sun's declination is 0° and is moving south
- C. an inferior planet is at the maximum angle to the line of sight to the Sun
- D. the earth is between a planet and the sun

[2253] A crew member has suffered frostbite to the toes of the right foot. Which is NOT an acceptable first aid measure?

- A. Rub the toes briskly
- B. Elevate the foot slightly
- C. Rewarm rapidly
- D. Give aspirin or other medication for pain if necessary

[2254] He sailed the said vessel from the port of Hamburg, Germany, with a part cargo of General Merchandise, on the 14th day of May, and arrived at Tampa, Florida, on the 6th day of June.

- A. for B. on C. in and with D. by

[2255] You have been informed that dredging operations may be underway in your vicinity. Which buoy indicates the dredging area?

- A. White buoy with a green top
- B. White and international orange buoy
- C. Yellow buoy
- D. Yellow and black vertically-striped buoy

[2256] A crack in the deck plating of a vessel may be temporarily prevented from increasing in length by.

- A. cutting a square notch at each end of the crack
- B. drilling a hole at each end of the crack
- C. slot-welding the crack
- D. welding a doubler over the crack

[2257] Consideration should be given in planning for the mooring orientation in a new location so that in adverse weather a crane is available to off-load the supply vessel on what side of the unit?

- A. Weather side B. Leeward side C. Upwind side D. Crosswind side

[2258] What would be the colour of an IALA starboard hand lateral buoy, as seen when sailing toward land, in Europe?

- A. Green
- B. Red
- C. Red and green stripes
- D. Black and yellow stripes

[2259] Many of the soundings shown on the chart are derived from . Undue reliance should not be placed upon them.

A. complete and often very poor surveys B. correct and often very good surveys

C. inadequate and often very old surveys D. adequate and present surveys

[2260] What often happens when using echo-sounder at river estuary where a layer of fresh water lies on the top of denser salt water? _____ .

A. A scattering layer appears B. Echo sounder stops working

C. shallow water appears D. Nothing abnormal happens

[2261] How is the annual rate of change for magnetic variation shown on a pilot chart? .

A. Gray lines on the uppermost inset chart

B. Red lines on the main body of the chart

C. In parenthesis on the lines of equal magnetic variation

D. Annual rate of change is not shown

[2262] May 3, 2010, my ship met with bad weather there.

A. In B. On C. During D. At

[2263] A vessel sounds one short blast. This signal indicates the vessel .

A. intends to alter course to starboard B. intends to pass starboard to starboard

C. is altering course to starboard D. intends to pass port to port

[2264] If the towing bridle legs are not of equal length, is not likely to occur.

A. excessive strain is placed on the shorter leg

B. the shorter leg may fail

C. the longer leg is slack

D. the stability of the tug will increase

[2265] _____ is not a factor to indicate that a towline should be removed from service.

A. Visible damage to the towline, including fishhooks

B. Measurements showing a decrease in diameter

C. A surface condition of corrosion and discoloration

D. Visible in the towline

[2266] In a combination chain and wire rope mooring system, the anchor chain is deployed at the anchor end of the line to .

A. increase fatigue life of the system B. reduce the time to retrieve the line

C. increase the holding power D. reduce the catenary

[2267] _____ is not usually used in liquid cargo systems.

A. Hydraulic drive systems B. Electric drive systems

C. Steam drive systems D. Man-powered drive systems

[2268] A line of position from a celestial observation is a segment of a _____.

A. circle of equal altitude B. parallel of declination

C. parallel of altitude D. vertical circle

[2269] Any hatch beam or pontoon left in place next to an open hatch section being worked shall be _____ or otherwise secured, so that it cannot be accidentally displaced.

A. tommed down B. braced C. locked D. chopped

[2270] In order to help protect a natural fiber rope from rotting, the line must be _____.

A. dried, and stowed in a place with adequate ventilation

B. stowed in a hot, moist compartment

C. stowed on deck at all times

D. stowed in any compartment

[2271] A vessel engaged in fishing underway sounds the same fog signal as a _____.

A. power-driven vessel stopped and making no way through the water

B. vessel being towed

C. vessel restricted in her ability to maneuver at anchor

D. sailing vessel at anchor

[2272] When a patient is suspected of having appendicitis, the pain should be relieved by _____.

A. keeping an ice bag over the appendix area B. giving the patient a laxative

C. giving the patient morphine sulfate D. giving the patient aspirin with a glass of water

[2273] Which of these sextant errors is adjustable? _____.

A. Prismatic error B. Graduation error C. Centering error D. Perpendicularity error

[2274] What kind of information does the fire plan contain? _____.

A. Fire alarm signal, fire instruction and your assignment

B. location of firefighting equipment onboard

C. How to use firefighting equipment onboard

D. Information on how handle different types of fires

[2275] Navigational charts are _____ frequent changes, the important one of which are promulgated by Admiralty Notices to Mariners.

A. published with B. combined with C. in connection with D. subject to

[2276] While moving ahead, a twin-screw ship has an advantage over a single-screw ship because

- A. correct trim will be obtained more easily
- B. drag effect will be cancelled out
- C. side forces will be eliminated
- D. speed will be increased

[2277] The effect of ocean current is usually more evident on a tug and tow than on a tug navigating independently because the .

- A. speed of the tug and tow is less
- B. towline catches the current
- C. current causes yawing
- D. current will offset the tow

[2278] To obtain better steering control when you are towing alongside, your vessel should be positioned with its .

- A. bow extending forward of the tow
- B. stem amidships of the tow
- C. stem extending aft of the tow
- D. bow even with the bow of the tow

[2279] Generally, you can best keep a vessel under steering control when the vessel has .

- A. headway
- B. stemway
- C. no way on, with engines stopped
- D. no way on, with engines full ahead

[2280] A person who sees someone fall overboard should .

- A. immediately jump in the water, to assist the individual
- B. go to the bridge for the distress flares
- C. run to the radio room to send an emergency message
- D. call for help and keep the individual in sight

[2281] _____ may not be required to communicate to a distress craft? .

- A. Own vessel identity, call sign, name and position
- B. Own vessel speed and ETA to the distress craft
- C. True bearing and distance of the distress craft
- D. Rescue award if successful

[2282] One of your crew members falls overboard from the starboard side. You should IMMEDIATELY _____ ,

- A. apply left rudder
- B. throw the crew member a life preserver
- C. begin backing your engines
- D. position your vessel to windward and begin recovery

[2283] You are towing a large barge on a hawser. Your main engine suddenly fails. What is the greatest danger? _____.

- A. The tug and the tow will go aground
- B. The tow will endanger other traffic
- C. The tow will overrun tug
- D. The tow will block the channel

[2284] If the radio signal ground wave extends out for less distance than the minimum skywave distance, there is an area in which no signal is received. This is called the .

- A. skip zone B. blackout zone C. diffraction zone D. shadow zone

[2285] The Vessel to be with tweendeck hatch covers complete and so remain during the currency this Charter and the Owners to ensure that all tweendeck hatch boards are in good condition.

- A. had B. equipped C. made D. contained

[2286] A fid is a .

- A. mallet used when splicing wire rope
B. sharp pointed crow bar used to unlay wire rope
C. tapered steel pin used to separate wire rope
D. tapered wooden pin used when splicing heavy rope

[2287] Vessels lying afloat at buoys for more than 24 hours should use anchor chain for and insurance wire for _____

- A. bow mooring/stem line B. forward spring/after spring
C. forward breast rope/forward spring D. slip rope/stem line

[2288] A vessel is tide rode when it is _____.

- A. carrying extra rudder to compensate for the current
B. necessary to adjust the course steered to allow for the current
C. at anchor and stemming the current
D. being forced off of a pier by the hydraulic effect of the current

[2289] You are on a vessel that carries liquefied gasses in bulk. The person on watch is required to have what information about the cargo easily accessible?

- A. Port of loading
B. Exact quantity on board
C. Name and address of consignee
D. Firefighting procedures

[2290] _____ is not a process of transforming hydrocarbons into more common and safer substances by marine ecosystem

- A. Metabolism B. Deposition C. Destroying D. Cleaning by crew with skimmers

[2291] The purpose of inboard screens on sidelights is to

- A. protect the lights from wind or sea damage
B. support the lights to prevent damage from vibration

- C. prevent the lights from being seen across the bow
- D. increase the visibility range of the lights

[2292] Before starting to hoist provisions, _____ is not necessarily to be checked.

- A. hoist rope is not kinked
- B. multiple part lines are not twisted around each other
- C. the hook is centrally located over the load
- D. stanchions and brackets

[2293] An inclined semisubmersible with a very short rolling period about a constant angle of list is likely to have _____ .

- A. an off-center TCG
- B. an LCG greater than level vessel LCB
- C. a negative GM
- D. excessive free surfaces

[2294] Atmospheres laden with coal dust or grain dust caused by loading these cargoes .

- A. require loading operations to be shut down until the atmosphere clears
- B. are toxic to human life
- C. are subject to spontaneous combustion
- D. may be explosive in some concentrations

[2295] As a vessel sinks to a depth of 15 feet, the hydrostatic trip releases the liferaft container from its cradle by _____ .

- A. breaking the weak link
- B. releasing the tie-down strap
- C. pulling the operating cord
- D. releasing the CO₂ canister

[2296] How to avoid vapour emission during filling of departure ballast (non SBT vessel) ? _____

- A. By simultaneous ballasting and cargo discharge
- B. By reducing the IG pressure
- C. By minimizing the amount of departure ballast
- D. By closing all the openings

[2297] All straight lines represent great circle tracks on a chart based on a(n) _____ .

- A. mercator projection
- B. polyconic projection
- C. orthographic projection
- D. gnomonic projection

[2298] _____ is not one of the potential problems in the solid bulk cargo operations.

- A. High Loading Rates
- B. Lack of Effective Ship/Shore Communication
- C. Exceeding the Assigned Load Line Marks
- D. Proper planning and controlling cargo and ballasting operations

[2299] If the survival craft is not loaded to full capacity, the personnel should be _____ .

- A. loaded more on the port side forward

- B. loaded equally on both sides with more forward
- C. loaded equally on both sides with more aft
- D. allowed to sit anywhere

[2300] Which of the following is more important in determining the amount of free surface that will be produced? A.

The breadth of the tank

- B. The length of the tank
- C. The amount of liquid in the tank
- D. The position of the tank in relation to the center line of the vessel

[2301] INTERTROPICAL CONVERGENCE ZONE OVER SOUTH PHILIPPINE PASSING OVER MINDANAO NORTHERN SULU AND PALAWAN. This paragraph is likely to be under the heading of _____,

- A. GALE WARNING B. 24 HOURS FORECAST
- C. SYNOPSIS D. STORM WARNING

[2302] A power driven vessel when towing and the length of the tow exceeds 200 meters shall exhibit during daylight hours where they can best be seen which of the following shapes? _____.

- A. A diamond shape B. Two cones, apexes together
- C. A black ball D. One cone, apex upward

[2303] In the Northern Hemisphere, winds veering sharply to the west or northwest with increase speed are indications that a _____.

- A. cold front has passed B. low pressure center is approaching
- C. stationary front exists D. high pressure center has passed

[2304] What does a pyrometer measure on a diesel engine? _____.

- A. Water temperature B. Water pressure
- C. Exhaust temperature D. Air box pressure

[2305] By plotting the analysis messages on weather charts, we are able to .

- A. prevent any possible accident at sea
- B. prepare a reasonable forecast of the wind and weather
- C. help the mariner to fix an accurate ship's position
- D. aid the salvage of a ship in peril

[2306] Symptoms of sea sickness include _____.

- A. fever and thirst B. nausea and dizziness
- C. stomach cramps and diarrhea D. reddening of skin and hives

[2307] Cumulus clouds that have undergone vertical development and have become cumulonimbus

in form, indicate .

- A. clearing weather
- B. that a warm front has passed
- C. probable thunderstorm activity
- D. An approaching hurricane or typhoon

[2308] The GHA of a star _____

- A. increases at a rate of approximately 15° per hour
- B. increases at a rate of approximately 4° per hour
- C. decreases at a rate of approximately 15° per hour
- D. decreases at a rate of approximately 4° per hour

[2309] _____ are changes on charts due to changes in hydrography, topography, construction, removal or addition of dangers to navigation, etc.

- A. breathing apparatus
- B. emergency escape
- C. Small corrections
- D. Source data

[2310] What causes the error of collimation with regards to the four adjustments to a sextant? _____

- A. Telescope not parallel to the frame
- B. Personal error
- C. The frame and index mirror not perpendicular
- D. The frame and horizon glass not perpendicular

[2311] The interval of the average elapsed time from the meridian transit of the moon until the next high tide is called the _____ .

- A. harmonic constant
- B. establishment of the port
- C. half-tide level
- D. tide cycle

[2312] Which type of davit is not considered to be a mechanical davit? _____ .

- A. Sheath-screw boom
- B. Radial
- C. Crescent
- D. Quadrantal

[2313] Oily rags stored in a pile that is open to the atmosphere are a hazard because they may

- A. deteriorate and give off noxious gasses
- B. spontaneously heat and catch fire
- C. attract lice and other vermin and serve as a breeding ground
- D. contain a little water

[2314] Clouds that form as small white, flakes or scaly globular masses covering either small or large portions of the sky are

A. cirrus B. cirrostratus C. altostratus D. cirrocuraulus

[2315]_____ is a room on or near the bridge provided with the necessary fittings and furniture for the handling and stowage of charts and where the chronometers are placed.

A. Captain's cabin B. Chief officer's locker
C. Chartroom D. Pilot's cabin

[2316]_____ blow more or less constantly (except when monsoons prevail) throughout all sea?sons at a mean speed of around 14 knots and are generally strongest in the late winter.

A. Trade Winds B. Winds of the temperate zones
C. Monsoons D. Land and Sea Breezes

[2317] You are located within a stationary high pressure area. Your aneroid barometer is falling very slowly. This indicates a(n) _____.

A. wind shift of 180° B. large increase in wind velocity
C. decrease in the intensity of the system D. increase in the intensity of the system

[2318]In any case the draught of the vessel at the _____ shall not be less than that which is necessary to obtain full immersion of the propeller.

A. forward perpendicular B. amidships
C. longitudinal center of floatation D. after perpendicular

[2319]On_____an Atlantic Ocean voyage from New York to Durban,South Africa,you should expect the Agulhas Current to present a strong _____.

A. offshore set B. onshore set C. head current D. fair or following current

[2320] Compliance with the terms of the load line certificate on a vessel is the responsibility of the

A. ballast Control Operator B. barge Supervisor
C. master or Offshore Installation Manager D. operators representative

[2321]Gyrocompass repeaters reproduce the indications of the master gyrocompass. They are_____

A. accurate only in the Polar regions B. accurate electronic servomechanisms
C. hand operated D. accurate only if the vessel is underway

[2322]A tug is best positioned for towing and maneuvering on rivers and other restricted waters where wave action is limited when _____.

A. directly astem and pushing the tow
B. towing on a hawser
C. towing alongside and parallel to the vessel it is towing

D. towing on the hip

[2323] The distance between any two meridians measured along a parallel of latitude .

A. increases in north latitude and decreases in south latitude

B. decreases as DLO increases

C. increases with increased latitude

D. decreases with increased latitude

[2324] Pollution regulations require that each scupper in an enclosed deck area have a .

A. wooden plug B. soft rubber plug

C. two-piece soft patch D. mechanical means of closing

[2325] ___is/are one volume of Admiralty List of Radio Signals.

A. Global Maritime Distress and Safety System

B. Maritime Safety Information Services

C. Coast Radio Stations

D. Admiralty List of Lights and Fog Signals

[2326]Cribbing is .

A. wooden blocks or dunnage placed between a deck load and the deck

B. the chains and shackles used to secure a deck cargo

C. a crate in which a deck cargo is packaged

D. cardboard separation pieces placed between deck loads to prevent chafing

[2327] is a radar transponder which emits a characteristic signal when triggered by a ship's radar.

A. Clutter B. Radar reflector C. Ramark D. Racon

[2328] A vessel conducting mine clearing operations will show .

three balls in a vertical line

two balls in a vertical line

one ball near the foremast and one ball at each fore yard

one diamond near the foremast head and one ball at each fore yard

[2329] In a twin screw ship going half-ahead, both screws turning outboard and the rudder amidships , no current or wind, the vessel will .

A. move bodily to port B. move bodily to starboard

C. move in a zig-zag motion D. steer a fairly straight course

[2330] A situation has occurred where it becomes necessary for you to be towed. What action should

be taken to prevent your vessel from yawing? .

- A. Shift weight to the bow
- B. Shift weight to the center of the boat
- C. Shift weight to the stern
- D. Throw excess weight overboard

[2331] If your weather bulletin shows the center of a low pressure area to be 100 miles due east of your position, what winds can you expect in the Northern Hemisphere? .

- A. East to northeast
- B. East to southeast
- C. North to northwest
- D. South to southeast

[2332] The wind flow from the horse latitudes to the doldrums is deflected due to .

- A. coriolis force
- B. the mid-latitude, semi-permanent high
- C. differing atmospheric pressures
- D. the prevailing westerlies

[2333] When is the rhumb line distance the same as the great circle distance? .

- A. Course 090° T in high latitudes
- B. Course 180° T when you cross the equator
- C. Course 045 ° T in low latitudes
- D. The rhumb line distance is always longer than the great circle distance

[2334] A vessel the passage of which is not to be impeded to comply with this Rule when the two vessels are approaching one another so as to involve risk of collision.

- A. remains fully obliged
- B. has no obligation
- C. is not necessarily
- D. is exempted

[2335] A person reports to you with a fishhook in his thumb. To remove it you should_____ .

- A. pull it out with pliers
- B. cut the skin from around the hook
- C. push the barb throughout it off, then remove the hook
- D. have a surgeon remove it

[2336] of the following items is not in the charge of Chief Officer in repairing operation.

- A. Hull cleaning
- B. Derusting and painting
- C. The maintenance of boiler
- D. Docking and undocking

[2337] MERSAR is replaced by .

- A. IAMSAR
- B. COMSAR
- C. ICAO SAR
- D. 1979 SAR

[2338] is not a way to find the error of Chronometer.

- A. Radio time signal
- B. Comparison with a timepiece of known error
- C. Applying the prevailing chronometer rate to previous readings

D. Wrist watch

[2339] A fiber towing hawser is readied for service by .

- A. spooling it on a winch
- B. coiling it in a counterclockwise direction on the winch
- C. faking it on deck in a fore and aft direction
- D. spooling it on a reel lying on its side to prevent rolling

[2340] Explosive and flammable gases are most likely to be encountered on a vessel .

- A. at any location
- B. on the drill floor and liquid mud handling areas
- C. in bulk storage tanks
- D. in machinery spaces

[2341] A position obtained by crossing lines of position taken at different times and advanced to a common time is a(n) .

- A. dead-reckoning position
- B. running fix
- C. estimated position
- D. fix

[2342] You are administering chest compressions during CPR. Where on the victim's body should the pressure be applied? .

- A. Lower half of the sternum
- B. Tip of the sternum
- C. Top half of the sternum
- D. Left chest over the heart

[2343] A buoy marking a wreck will show a(n) .

- A. white light FL2 and a topmark of 2 black spheres
- B. occulting green light and may be lettered
- C. yellow light and will be numbered
- D. continuous quick white light and may be numbered

[2344] A flashing light is a light that .

- A. flashes at regular intervals at a frequency of 120 flashes or more per minute
- B. is yellow in color
- C. is visible over an arc of the horizon of not less than 180° nor more than 225°
- D. is very intensive in its light

[2345] are experienced in temperate latitudes during warm summer weather but rarely exceed Force 3 and may extend 10 to 15 miles on either side of the coastline.

A. Trade Winds B. Winds of the temperate zones

C. Monsoons D. Land and Sea Breezes

[2346] A light characteristic of composite group flashing indicates that there is a(n) .

A. sharp turn in the channel B. narrowing in the channel at that point

C. junction in the channel D. obstruction that must be left to port

[2347] The best treatment for preventing traumatic shock after an accident is to .

A. have the victim exercise to increase circulation

B. keep the victim from electrical equipment

C. keep the victim warm and dry while lying down

D. apply ice packs and avoid excitement

[2348] provide a comprehensive source of information on all aspects of Maritime Radio Communications.

A. Admiralty Digital List of Lights B. Admiralty List of Lights and Fog Signals

C. Admiralty List of Radio Signals D. Admiralty Tide Tables

[2349] A towing vessel pushing a barge ahead and rigidly connected in a composite unit shall show the lights of .

A. a vessel towing by pushing ahead B. a power-driven vessel, not towing

C. a barge being pushed ahead D. either answer A or answer B

[2350] The AMVER system requires .

A. sailing plans to be sent before departure

B. more frequent reports in heavy weather

C. arrival reports to be sent within 8 hours of arrival

D. a position report within 24 hours of departure

[2351] You are on an inerted tanker. A low pressure alarm must be set to cause an audible and visual alarm if the pressure in the vessel reaches not less than .

A. 4 water gauge B. 90% of the vacuum relief setting

C. 90% of the pressure drop curve D. 90% of the vacuum assist fan

[2352] You are preparing to contain an oil spill. You must first receive approval from the Governmental On-Scene Coordinator prior to_____ .

A. employing a boom B. using suction equipment

C. applying chemical agents D. deploying skimmers

[2353] A six-strand composite rope made up of alternate fiber and wire strands around a fiber core is called .

A. spring lay B. lang lay C. cable lay D. alternate lay

[2354] During a period of "whiteout", you should expect which of the following? .

- A. Snowfall or blowing snow
- B. Lack of ability to estimate distance
- C. Harsh contrast between sun-illuminated snow cover and the background
- D. Hazy horizons with extensive mirage effects

[2355] Prior to reading an aneroid barometer, you should tap the face lightly with your finger to

- A. expose any loose connections B. demagnetize the metal elements
- C. bring the pointer to its true position D. contract and expand the glass face

[2356] Every oil tanker operating with dedicated clean ballast tanks shall be with a Dedicated Clean Ballast Tank Operation Manual detailing the system and specifying operational procedures.

- A. complied B. replied C. divided D. provided

[2357] Mechanical lifting of air by the upslope slant of the terrain is called .

- A. vertical lifting B. convective lifting
- C. advective lifting D. topographic lifting

[2358] My ship will arrive Port Said Sunday.

- A. in,at B. at,on C. on, by D. to,before

[2359] A fire pump may be used for other purposes if .

- A. the other services are run off a reducing station with a pressure gage
- B. one of the required pumps is kept available for use on the fire main system at all times
- C. no relief valves are installed
- D. in emergency

[2360] which are normally used for the loading, unloading and anchoring of ships. ind

which would otherwise be situated wholly or partly outside the outer limit of the territorial sea,are included in the territorial sea.

- A. Roadsteads B. Ports C. Bays D. Mouths of rivers

[2361]In order to reduce the accumulation of static electricity while loading petroleum products.*^

should .

- A. start to load at maximum pressure B. start to load slowly
- C. increase the air flow into the tank D. use the overall method of loading only

[2362] The government of PR China _that the above-mentioned ship complies with the po^ 1C\A visions of the

regulations annexed to the Convention referred to above as regards radiotelegraphy and radar.

A. certifies B. confirms C. contains D. construes

[2363] Regarding the use of GPS, which one of the followings is incorrect?.

- A. GPS is the most accurate global system today
- B. Its use is still under the US Department of Defence's control
- C. DGPS is more accurate than GPS
- D. GPS can provide a real-time position under any condition

[2364] Which statement is TRUE when comparing cold and warm fronts? .

- A. Cold fronts are more violent and of shorter duration
- B. Cold fronts are milder and last longer
- C. They are very similar with the exception of wind direction
- D. Warm fronts are more violent and of longer duration

[2365] In the horizon system of coordinates what is equivalent to the equator on the Earth?

- A. Prime vertical circle B. Principal vertical circle
- C. Parallels of altitude D. Horizon

[2366] A condition where two currents meet at the downstream end of a middle bar can be determined by a ____ .

- A. small whirlpool
- B. smooth patch of water
- C. V-shaped ripple with the point of the V pointing downstream
- D. V-shaped ripple with the point of the V pointing upstream

[2367] A great circle track provides the maximum saving in distance on .

- A. easterly courses in high latitudes
- B. southerly courses in high latitudes
- C. westerly courses in low latitudes
- D. easterly courses in low latitudes that cross the equator

[2368] The explosive range of a fuel lies between the lower explosive limit and the .

- A. flash point B. ignition temperature
- C. upper explosive limit D. fire point

[2369] If you receive the signal over radiotelephone of "Romeo Papa Tango" while using the International Code of Signals, you should .

- A. report to the caller

B. repeat your last transmission

C. continue since he received your last transmission

D. end the transmission

[2370] Red lights are used as aids to navigation mark port sides of channels and locations of wrecks or obstructions which must be passed by keeping these lighted aids to navigation on the port hand of a vessel.

A. Most lights B. White and yellow lights

C. Red lights D. Green lights

[2371] Tested & inspected the steering systems & other navigational equipments & found them in good condition. 1' dg & unl' dg finished. This remark is likely made by the OOW_____ .

A. at the beginning of his watch B. during his watch

C. at the end of his watch D. in his cargo watch on deck

[2372] Information on the operating times and characteristics of foreign radiobeacons can be found in which publication? .

A. List of Lights B. Coast Pilot C. Sailing Directions D. List of Radiobeacons

[2373]Why do distances always have to be measured from the nearest scale on a Mercator chart?

A. Because it is the most efficient way

B. Because it varies for each latitude

C. Because it varies with the change of longitude

D. Because it is the most straight line

[2374] Setting up the shore installations for SAR was required by _____ .

A. SAR Convention B. MRSC C. ICAO D. SOSREP

[2375] TO RELIEVE YOURSELF WHEN NEEDED is an advice for controlling _____ .

A. constipation B. cold diuresis C. dehydration D. hypothermia

[2376] _____ is the result of combining processes of microbial activity and biochemical pr

A. Emulsification B. Microbial degradation

C. Sedimentation D. Dissolution.

[2377]If the Shipowner has agreed to receive deck cargo, _____ must contribute to the loss, provided the owner of the jettisoned goods is the sole cargo owner.

A. the ship B. the ship and the freight

C. the freight D. neither the ship nor the freight

[2378] A thrust block is designed to _____ .

- A. transmit the thrust of the engine to the propeller
- B. transmit the thrust of the propeller to the vessel
- C. absorb the shock of wave pressure at the bow
- D. be placed between the engines and the foundation to absorb the vibration

[2379]A RADIO SIGNAL FROM A DISTRESSED VESSEL AUTOMATICALLY DIRECTED TO RCC GIVING POSITION,IDENTIFICATION,COURSE AND SPEED OF THE VESSEL AS THE NATURE OF DISTRESS is known as_____ .

- A. distress alert
- B. safety alert
- C. emergency alert
- D. general alert

[2380]Which will cause a wire rope to fail? .

- A. Using a medium graphite grease as a lubricant
- B. Operating a winch too slow
- C. Using a sheave with an undersized throat
- D. A sheave diameter of 24 times the wire's diameter

[2381]If___a magnetic compass is not affected by any magnetic field other than the Earth's, which statement is TRUE?

- A. Compass error and variation are equal
- B. Compass north will be true north
- C. Variation will equal deviation
- D. There will be no compass error

[2382]All handling and stowage of packaged hazardous materials on board a domestic vessel engaged in foreign trade shall be done under the supervision of .

- A. a MSA marine Inspector
- B. an officer assigned to the vessel by MSA
- C. an officer from CCS
- D. the national cargo bureau

[2383] A vessel shall be deemed to be overtaking when she can see at night .

- A. only the sternlight of the vessel
- B. a sidelight and one masthead light of the vessel
- C. only a sidelight of the vessel
- D. any lights except the masthead lights of the vessel

[2384]A tide is called diurnal when .

- A. only one high and one low water occur during a lunar day
- B. the high tide is higher and the low tide is lower than usual
- C. the high tide and low tide are exactly six hours apart
- D. two high tides occur during a lunar day

[2385]A _____ is a block, ring, or strip of plank with holds, serving as a guide for the running rigging or any rope to keep it from

chafing and as a direct line to a source of power.

A. fairlead B. bollard C. pitt D. runner

[2386] A vessel when joining or leaving from the side of a traffic separation scheme shall do so at as _____ to the general direction of traffic flow as practicable.

A. small an angle B. large an angle

C. either small or large an angle D. neither small nor large an angle

[2387] Which of the following is the term meaning a situation where collision cannot be avoided by action of the giving way vessel alone? .

A. In personam B. In extremis

C. Collision imminent D. Vis major

[2388] A weather forecast states that the wind will commence backing. In the Northern Hemisphere, this would indicate that it will .

A. shift in a clockwise manner B. shift in a counterclockwise manner

C. continue blowing from the same direction D. decrease in velocity

[2389] A vessel continually lists to one side and has a normal rolling period. Which statement is TRUE?.

A. The vessel has negative GM B. The center of gravity is on the centerline

C. The list can be corrected by reducing KM D. The vessel has asymmetrical weight distribution

[2390] Channel 13 is primarily used for ship to ship communication. Channel 13 is also authorized for _____.

A. coast to aircraft operational communications

B. aircraft to ship operational communications

C. lock & bridge communications

D. aircraft to ship navigational communications

[2391] A position that is obtained by using two or more intersecting lines of position, taken at nearly the same time, is a(n)_____ .

A. estimated position B. fix

C. running Fix D. dead-reckoning position

[2392] A security level, for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident is defined as

A. security level 1 B. security level 2

C. security level 3 D. security level 4

[2393] When working with lumber, wire and staples are not desirable to be used because

- A. they are not subjected to cause trouble B. they are difficult to handle this kind of cargo
C. the efficiency of separating is raised D. the efficiency of loading is greater

[2394] is intended to provide advice necessary' for diagnosis and treatment of chemi poisoning within the limits of the facilities available on board ship.

- A. EmS B. MFAG C. STCW Code D. IMGS

[2395] the survivors known more of how to cope with cold water in the sinking of MV tanic in 1912 countless lives ____.

- A. Have/could have been saved B. Have/could have saved
C. Had/could has saved D. Had/could have been saved

[2396] A vessel' s LCG is determined by ____.

- A. dividing the total longitudinal moment summations by displacement
B. dividing the total vertical moment summations by displacement
C. multiplying the MTC by the longitudinal moments
D. subtracting LCF from LCB

[2397] Your vessel goes aground in soft mud. You would have the best chance of refloating it ac next tide if it grounded at ____.

- A. low water neap B. low water spring C. high water neap D. high water spring

[2398] A vessel loads edible oil in a deep tank through a manhole at the midlength of the order to fill the tank to maximum capacity, what trim should the vessel have? ____.

- A. Down by the bow B. Down by the stern
C. Down by either the bow or stern D. In level trim

[2399] When you are steering on a pair of range lights and find the upper light is in line lower light,you should ____.

- A. continue on the present course
B. come left
C. come right
D. wait until the lights are no longer in a vertical line

[2400] If you have a fire in the engine room, your FIRST act should be to ____.

- A. discharge the fixed CO2 system into the engine room
B. secure the fuel supply and ventilation to the engine room
C. maneuver your vessel into the wind
D. have all of your crew get into the liferaft

[2401] Which is the summer load waterline on the load waterline mark for a cargo vessel of 90 m? _____

- A. The first line at the bottom B. The second line from the bottom
C. The third line from the bottom D. The fourth line from the bottom

[2402] You are navigating 1 mile north of Cape Henry Lighthouse at the southern entrance to Chesapeake Bay. You observe that this area is bounded on the chart by magenta bands. This indicates a (n)_____ .

- A. fish trap area B. explosive anchorage C. pilotage area D. danger zone

[2403] Which procedure should be followed when individuals are rescued in cold climates and suffer from hypothermia?

- A. Give them brandy
B. Keep them in motion
C. Immerse them in a warm bath
D. Cover them with an electric blanket set for maximum temperature

[2404] An ideal mooring system would be .

- A. symmetrical and in equilibrium B. asymmetrical and in flux
C. distorted and in equilibrium D. concentric and in flux

[2405] You are aboard the give-way vessel in a crossing situation. What should you NOT do in obeying the Rules?

- A. Cross ahead of the stand-on vessel B. Make a large course change to starboard
C. Slow your vessel D. Back your vessel

[2406] If the acquisition symbol flashes three times when acquisition is attempted, it may be possible that the acquisition symbol _____over the navigation mark.

- A. is not positioned properly B. is not a fixed position C. is not at a position fixed D. is a wrong position

[2407] Who is responsible for properly manning a vessel in accordance with all applicable laws, regulations and international conventions?

- A. The MSA Officer in Charge of Marine Inspection
B. The Captain of the Port
C. The owner or operator of the vessel
D. The Master of the vessel

[2408] _____ is the distance east or west measured in degrees, minutes and seconds of arc on the equator between the prime meridian and the meridian passing through the place.

- A. Longitude B. Latitude C. Height D. Bearing

[2409] An inflatable liferaft can be launched by .

- A. the float-free method ONLY

- B. breaking the weak link on the painter
- C. throwing the entire container overboard and then pulling on the operating cord to inflate the raft
- D. removing the securing straps

[2410]Heeling error is defined as the change of deviation for a heel of .

- A. 2°while the vessel is on an intercardinal heading
- B. 1° while the vessel is on a compass heading of 000°
- C. 2°and is constant on all headings
- D. 1° while the vessel is on a compass heading of 180°

[2411]The helm command LEFT TWENTY means .

- A. change course twenty degrees to the left
- B. put the rudder left twenty degrees
- C. put the rudder hard left for the first twenty degrees of swing
- D. put the rudder left twenty degrees and then ease back as the vessel starts swinging

[2412]A vessel with a large GM will .

- A. have a small amplitude of roll in heavy weather
- B. tend to ship water on deck in heavy weather
- C. be subject to severe racking stresses
- D. be less likely to have cargo shift

[2413]___ is not the purpose of the warning sign displayed at the gangway or access point in a barge during cargo transfer.

- A. To keep visitors away from the barge
- B. To prohibit smoking
- C. To prohibit open lights
- D. To keep all these areas free of gas

[2414]Admiralty Notices to Mariners, containing important information for the mariners and enabling them to keep their charts and books corrected for the latest information, are issued daily and published in ____ .

- A. weekly editions
- B. quarterly editions
- C. annual editions
- D. monthly editions

[2415]The Third Officer's duty is to _____ when vessel is commanded under the pilot or Captain.

- A. operate the wheel and stand by
- B. keep a lookout and operate steering gear
- C. enter telegraph orders in the bell book
- D. operate the telegraph and enter telegraph orders in the bell book

[2416] Which type of weather could you expect soon after seeing hook or comma shaped cirrus clouds? .

- A. Rain with the approach of a warm front
- B. Clearing with the approach of a cold front
- C. Continuing fog and rain
- D. The formation of a tropical depression

[2417] You are being towed by one tug. As you lengthen the bridle legs you .

- A. increase your chances of breaking the towing hawser
- B. reduce the yawing of your vessel
- C. reduce the spring effect of the tow connection
- D. increase your chances of breaking the bridle legs

[2418] What is important to remember when using AIS for collision avoidance? .

- A. AIS may not give a complete picture of the traffic situation
- B. AIS is more accurate than ARPA
- C. AIS is not as accurate ARPA
- D. AIS is not allowed to be used for collision avoidance

[2419] _____ is a batten made of hardwood, or other material of equivalent properties, in one piece and not less than 1.80 metres long.

- A. A step of pilot's ladder
- B. A davit for launching liferafts
- C. An equipment for life-saving appliances
- D. A valve fitted to serve each fire hose

[2420] Which vessel is to be regarded as a vessel " restricted in her ability to maneuver" ?

- A. A vessel fishing with trawls
- B. A vessel which has lost the use of her steering gear
- C. A vessel with a draft of such depth that she cannot change her course
- D. A vessel engaged in mineclearing

[2421] _____ defines an object can be observed from a distance to be just rising above or just plunging below the visible horizon.

- A. Dipping Distance
- B. Geographical Range
- C. Luminous Range
- D. The range at which a light can be seen

[2422] A vessel towing is showing three forward white masthead lights in a vertical line. This means that the length of the .

- A. towing vessel is less than 50 meters
- B. towing vessel is greater than 50 meters
- C. tow is less than 200 meters
- D. tow is greater than 200 meters

[2423] The document which acknowledges that the cargo has been received and is in the carrier' s custody is called

the .

- A. dock receipt
- B. hatch Report and Recapitulation
- C. cargo manifest
- D. stowage Plan

[2424] A chain bridle is used when towing astern because it

- A. is easy to connect
- B. provides an effective catenary and absorbs shock due to its weight
- C. makes rigging a swivel unnecessary
- D. prevents the tow from yawing by the drag of the chains in a seaway

[2425] A shore is a piece of securing dunnage that .

- A. runs from a low supporting level up to the cargo at an angle
- B. is also known as a distance piece
- C. is placed on the deck under the cargo to distribute its weight evenly
- D. is run horizontally from a support to the cargo

[2426] An electronic depth finder operates on the principle that .

- A. radio signals reflect from a solid surface
- B. sound waves travel at a constant speed through water
- C. radar signals travel at a constant speed through water
- D. pressure increases with depth

[2427] Where is the pivot point of a towboat with a tow ahead? .

- A. One-third the length of the combined unit forward of the towboat
- B. One-third the length of the combined unit back from the head
- C. At the head of the towboat
- D. One-half the length of the combined unit

[2428] You have abandoned your vessel. You are in a liferaft and have cleared away from your vessel. One of your FIRST actions should be to .

- A. take measures to maintain morale
- B. prepare and use radio equipment
- C. identify the person in charge of liferaft
- D. search for survivors

[2429] You notice that your speed has decreased, the stern of your vessel has settled into the water, and your rudder is sluggish in responding. The MOST likely cause is

- A. mechanical problems with the steering gear
- B. shallow water
- C. loss of lubricating oil in the engine
- D. current

[2430] Which is the summer load waterline on the load waterline mark for a cargo vessel of 120m?

- A. The first line at the bottom
- B. The second line from the bottom
- C. The third line from the bottom
- D. The fourth line from the bottom

[2431] When making way in heavy seas you notice that your vessel's screw is being lifted clear of the water and racing.

One way to correct this would be to

- A. increase speed
- B. decrease speed
- C. move more weight forward
- D. shift the rudder back and forth several times

[2432] At sea, on what occasion would you display two red lights at night or two black balls during the day?

- A. When vessel is on fire
- B. When vessel is not under command
- C. When vessel is carrying the dangerous cargoes
- D. When vessel is restricted in her ability to maneuver

[2433] After a collision or accident, regulations require that the operator assist persons affected, but only if the operator can do so without

- A. further damaging the other vessel
- B. undue delay
- C. serious danger to his or her own vessel
- D. creating a panic on either vessel

[2434] Which statement is not true of the Uniform Lateral System of Buoyage?.

- A. It employs top marks
- B. Lighted buoys have the same shape as unlighted buoys
- C. The numbering or lettering of fairway buoys is optional
- D. It is better than any other system

[2435] When attempting to free an anchor jammed in the hawsepipe, the simplest method of freeing it may be

- A. starting the disengaged windlass at high speed
- B. rigging a bull rope to pull it out
- C. to grease the hawsepipe
- D. to pry it loose with a short piece of pipe

[2436] For an accurate barometer check, you would

- A. check it with a barometer on another vessel
- B. take readings from several barometers and average them

- C. check it with the barometer at the ship chandlery
- D. check it against radio reports of the immediate vicinity

[2437] The most important principle in the cargo stowage is .

- A. to avoid the rearrangement of the cargo loaded on board
- B. to ensure the safety of the ship and cargo
- C. to reject the damaged cargo during loading operation
- D. to prevent the spontaneous combustion of the coal and grain

[2438] is not a process of weathering of the oil spilled in the sea water.

- A. Biodegradation B. Dissolution
- C. Cleaning up by crew with skimmers D. Oxidation including photooxidation

[2439] Nothing in these Rules shall any vessel, or the owner, master or crew thereof, from the consequences of any precaution which may be required by the ordinary practice of seaman, or by the special circumstances of the case.

- A. exonerate B. exhaust C. exercise D. examine

[2440] ECDIS must be able to perform all of the following EXCEPT .

- A. determine true bearing and distance between two geographical points
- B. determine magnetic compass deviation
- C. transform a local datum to the WGS-'84 datum
- D. convert "graphical coordinates" to "display coordinates"

[2441] When a vessel sees the other ahead or nearly ahead, by night she could see the masthead lights of the other in a line or nearly in a line or both side lights, shall be deemed to exist.

- A. head-on situation B. end-situation C. crossing situation D. close-quarters situation

[2442] In determining a safe speed shall not be among those taken into account.

- A. the presence of the background light at night
- B. the state of wind, sea and current
- C. the number of crew on board
- D. the draught in relation to the available depth of water

[2443] To ensure the best results during the Mediterranean moor, the chains should__.

- A. be crossed around the bow B. tend out at right angles to the bow
- C. tend aft 60° from each bow D. tend forward 30° on either bow

[2444] I wish to inform you that as a result of negligence on the part of the lighter Susan when shift?ing at 0910 hrs this morning, the lower platform of the gangway was .

A. break B. broke C. breaked D. broken

[2445] Fire in an engine compartment is best extinguished with carbon dioxide gas (CO₂) and by

- A. closing the compartment except for the ventilators
- B. completely closing the compartment
- C. leaving the compartment open to the air
- D. increasing the air flow to the compartment by blowers

[2446] A VLCC (100,000 DWT +) with a 30,000 Shaft Horsepower Steam Turbine is slow to re?respond to engine movements and has less stopping power than normal ships because it has a

- A. bigger propeller
- B. smaller power to weight ratio
- C. smaller propeller
- D. larger power to weight ratio

[2447] A life preserver or buoyant work vest is required to be worn on a ship when a person is _____

- A. working on the rig floor
- B. working over water
- C. working on the pipe racks
- D. operating line throwing equipment

[2448] A hurricane moving northeast out of the Gulf passes west of your position. You could expect all of the following EXCEPT .

- A. higher than normal swells
- B. high winds
- C. winds veering from south, through west, to northwest
- D. light showers

[2449] If you hear more than six short blasts and one long blast of the whistle supplemented by the same signal on the general alarm, you should

- A. start the fire pump
- B. go to your man overboard station
- C. go to your lifeboat station
- D. stand by for collision

[2450] In the event of damage to the DEEP WATER SHIP which results in flooding to one of the lower-hull tanks, pump from .

- A. nearby damaged tanks
- B. nearby undamaged tanks containing ballast
- C. tanks on the opposite corner
- D. the opposite trim tank

[2451] The Owners warrant that at the date of delivery and throughout the period of service the hull, machinery and equipment of the ship is in a thoroughly efficient state, with a full and efficient _____ of Master, Officers and Crew.

- A. complement
- B. supplement
- C. deployment
- D. settlement

[2452] You are kindly requested to supply the necessary tallymen to do _____ on board the ship during the discharging of the

cargo.

A. the tallying work B. the lashing work

C. the cleaning work

D. the work of opening and closing hatches

[2453] You are on watch and the pilot has just anchored the vessel. The next thing that you should do after the anchor has been let go is to .

A. stop the engines B. escort the pilot to the accommodation ladder

C. plot the vessel's position on the chart

D. make a round of the weather decks

[2454] As a ship moves through the water, it causes a wake, which is also moving forward relative to the sea. In addition to a fore and aft motion, this wake also has a(n) .

A. downward and inward flow B. downward and outward flow

C. upward and inward flow D. upward and outward flow

[2455] Why is it necessary to extend ventilators of gasoline powered vessels to the bilges?

A. To keep them dry, and thus easier to clean

B. To remove fuel vapors which are heavier than air

C. To provide adequate air to the engines

D. To cool the machinery areas

[2456] Each lifebuoy shall be marked in block capitals of the Roman alphabet with of the ship.

A. the call sign and name B. the official number and name

C. the port of registry and name D. the port of registry and official number

[2457] A vessel may exhibit lights other than those prescribed by the Rules as long as the additional lights .

A. do not interfere with the keeping of a proper look-out

B. are not the color of either sidelight

C. have a lesser range than the prescribed lights

D. all-round light

[2458] A ship has a combination of .

A. existing permanent and induced magnetism

B. subpermanent magnetism and induced magnetism

C. existing permanent and subpermanent magnetism

D. permanent, subpermanent, and induced magnetism

[2459] A FICTIVE LINE DISPLAYED ON THE RADAR SCREEN SEPARATING THE FAIRWAY FOR INBOUND AND OUTBOUND VESSELS SO THAT THEY CAN SAFELY PASS EACH OTHER defines .

A. separated line B. divided line C. reference line D. segregated line

[2460] It is sometimes necessary to moor bow and stern to two mooring buoys in order to .

- A. avoid any swing in a restricted space B. shelter the ship from strong winds
C. prevent from touching with other vessels D. make a convenience of cargo discharging

[2461] The purpose of the tricing pendants is to .

- A. control the fore and aft motion of a lifeboat during lowering
B. control the outboard swing of a lifeboat during lowering
C. provide suspensions for the manropes
D. hold a lifeboat next to the embarkation deck while loading

[2462] Please mark (out) one of the most important register of shipping in the world.

- A. HK MARDEP B. COSCO C. Lloyd' s Society D. Liberia Shipping Registry

[2463] While underway and towing an unmanned tank barge you are required to .

- A. maintain a strict watch on the barge from the towing vessel
B. fly a red flag from the towing vessel
C. open the tops of all empty tanks on the barge
D. take hourly soundings of any loaded tanks on the barge

[2464] When maneuvering a heavy barge up a wide channel with a tug, the tow may be most closely controlled by making up to the barge .

- A. with a short tow astern
B. nearly bow to bow, at a small angle
C. amidships, parallel to the barge
D. nearly stern to stem, at a small angle to the barge

[2465] The most variable factor in the control of broken stowage is .

- A. the use of excessive amounts of dunnage
B. the use of excessive amounts of filler cargo
C. the failure to stow some items in neat and uniform rows and tiers
D. the skill, industry and interest of the longshoremen

[2466] At all angles of inclination, the metacenter is .

- A. vertically above the center of buoyancy
B. vertically above the center of gravity
C. at the intersection of the upright vertical centerline and the line of action of the buoyant force

D. at the geometric center of the underwater volume

[2467] A latitude line will be obtained by observing a body .

A. on the prime vertical B. on the celestial horizon

C. at lower transit D. on the Greenwich meridian

[2468] As the propeller turns, voids are formed on the trailing and leading edges of the propeller blades causing a loss of propulsive efficiency, pitting of the blades, and vibration. These voids are known as

A. advance B. cavitation C. edging D. slip

[2469] The 3/E injured the third finger of his left hand the ash-pit door of boiler while banking fire at Swan Sea on 30th,Sept.

A. against B. on C. in D. with

[2470] COMPATIBILITY OF GOODS states .

A. the method for the proper stowage of a dangerous cargo

B. the necessity of lashing, securing and piling of awkward or lengthy cargo

C. whether different goods can be stowed together in one hold

D. ventilation method for hydrous cargo

[2471] Halon fire extinguishers are NOT effective when used on which types of fires? .

A. Fires in electrical equipment B. Flammable oils and greases

C. Class A fires in ordinary combustibles D. Materials containing their own oxygen

[2472] Your vessel has been damaged and is taking on water, but you do not require immediate assistance. You would preface a message advising other vessels of your situation with .

A. Mayday-Mayday-Mayday B. Pan-Pan (3 times)

C. Securite-Securite-Securite D. SOS-SOS-SOS

[2473] An ocean towing bridle whose legs are of equal length, but too short, may .

A. fail to provide spring in the hawser

B. cause unequal distribution of the load to one leg

C. cause the bridle legs to jump clear of the chocks or fairleads

D. none of the above

[2474] The ideal rope for stoppers should satisfy the following requirements except that .

A. the stopper should be of synthetic fibre rope

B. the size of the stopper should be as large as possible

C. the stopper should be of low stretch material

D. the stopper should be very flexible

[2475] is the most common cause of ice formation.

A. The freezing of raindrops on contact with the vessel' s structure

B. Drastic fall in ambient temperature

C. The deposit of water droplets on the vessel' s structure

D. Snowfall

[2476] A vessel shall not impede the passage of any other vessel navigating within a narrow channel or fairway.

A. which is engaged in doing fishing work

B. which is involved in fishing operations

C. engaged in fishing

D. which is considered that she is doing fishing job at the moment

[2477]If help has not arrived in 10 -12 hours after you abandon a vessel in a survival craft, you should .

A. go in one direction until the fuel runs out

B. plot a course for the nearest land

C. take a vote on which direction you should go

D. shut down the engine(s) and set the sea anchor

[2478]On a single-screw vessel the stern frame ,

A. furnishes support to the rudder, propeller shaft, and transom frame

B. provides foundations for after mooring winches

C. provides foundations for the main propulsion engines

D. transfers the driving force of the propeller to the hull

[2479]Which statement is TRUE concerning the vessel's slipstream? .

A. It has no effect on the steering of the vessel

B. It has no effect on the rudder when the helm is amidships

C. Its velocity is the same as that of the wake

D. The propeller gives it a helical motion

[2480] Your vessel has a midships engine room and the cargo is concentrated in the end holds. The vessel is

A. sagging with tensile stress on main deck

B. sagging with compressive stress on main deck

C. hogging with tensile stress on main deck

D. hogging with compressive stress on main deck

[2481] A deck beam does NOT .

- A. act as a beam to support vertical deck loads
- B. lessen the longitudinal stiffness of the vessel
- C. act as a tie to keep the sides of the ship in place
- D. act as a web to prevent plate wrinkling due to twisting action on the vessel

[2482] A person being treated for shock should be wrapped in warm coverings to .

- A. increase body heat
- B. preserve body heat
- C. avoid self-inflicted wounds caused by spastic movement
- D. protect the person from injury during transportation

[2483] A towing light .

- A. flashes at regular intervals of 50-70 flashes per minute
- B. is yellow in color
- C. shows an unbroken light over an arc of the horizon of not less than 180° nor more than 225°
- D. is displayed from the highest place of the ship

[2484] An anchor winch should be equipped with mechanical brakes capable of holding .

- A. half the breaking strength of the mooring line
- B. the full breaking strength of the mooring line
- C. the maximum expected tension of the mooring line
- D. 50% over the working tension of the mooring line

[2485] Damage to ship' s fittings caused by stevedore' s negligence often happens. Therefore, the stevedores
the cost of repairs effected.

- A. should hold responsible for
- B. should hear in mind
- C. should be held responsible for
- D. should bear no compensation for

[2486] Where in the tank shall the oxygen level be determined before crude oil washing?

- A. 1 meter from the bottom
- B. In the middle of the tank
- C. 1 meter from the deck in the middle region of the ullage space
- D. 2 meters from the deck in the middle region of the ullage space

[2487] Which technique could be used to give a more comfortable roll to a stiff vessel? .

- A. Concentrate weights in the upper tween-deck wings

- B. Add weight near the centerline of the lower hold
- C. Move weights lower in the ship
- D. Ballast the peak tanks

[2488] The articulated light is superior to other types of buoys because .

- A. the radar reflectors reflect better signals
- B. fog horn signals travel farther to sea
- C. it is equipped with strobe lights
- D. it has a reduced watch circle

[2489] Every vessel shall at all times maintain a proper look-out .

- A. by sight
- B. by sight and hearing
- C. by sight and hearing as well as by all available means appropriate to the prevailing circumstances
- D. by sight and hearing as well as by all available means except smelling

[2490] In the stowage of deck cargo, cribbing is .

- A. placed on deck to support the cargo
- B. separation pieces used to keep cylinders upright and steady
- C. shims for stowing baled cargo
- D. nets placed across the hatch opening to keep the cargo from falling in the hatch

[2491] The Carrier's liability for the carriage of containers on or under deck shall like wise be governed by the terms of this Bill of Lading { irrespective of Clause 15 }.

- A. according to Clause 15
- B. in every respect of Clause 15
- C. without regard to Clause 15
- D. as per Clause 15

[2492] A vessel that is dead in the water on an even keel with most of her superstructure forward will lay .

- A. with the wind abaft the beam or on the stern
- B. with the wind on the beam
- C. with the wind on the bow
- D. with the wind dead ahead

[2493] The broadcast will normally be made on the two listed frequencies simultaneously except during transmitter maintenance periods when the broadcast will be made on the two frequencies

- A. at the same time
- B. exclusively
- C. within the same period
- D. consecutively

[2494] gives daily predictions of the times and heights of high and low waters for over 230 standard and 6,000

secondary ports in the world.

A. Admiralty Tide Tables B. Admiralty Tidal Stream Atlases

C. Admiralty Manual of Tides (NP120) D. Admiralty Tidal Handbooks (NP122 1-3)

[2495] A shipmate suffers a heart attack and stops breathing. You must .

- A. administer oxygen
- B. immediately check his pulse and start CPR
- C. make the victim comfortable in a bunk
- D. immediately give a stimulant, by force if necessary

[2496] After putting on a self-contained breathing apparatus, you open the air supply and hear a continuous ringing of a bell. What does this mean? .

- A. The unit is working properly B. The face mask is not sealed properly
- C. The air bottle needs to be refilled D. The air supply hose has a leak

[2497] . is not contained in the NM Weekly.

- A. Amendments to Admiralty Sailing Directions
- B. Amendments to Admiralty List of Lights and Fog Signals
- C. Amendments to Admiralty List of Radio Signals
- D. Supplement to Guide to Port Entry

[2498] It is necessary to secure the forced ventilation to a compartment where there is a fire to

- A. allow the exhaust fans to remove smoke
- B. extinguish the fire by carbon monoxide smothering
- C. prevent additional oxygen from reaching the fire
- D. protect fire fighting personnel from smoke

[2499] The Insurance Company shall be liable for .

- A. loss or damage caused by unseaworthiness of the insured ship
- B. demurrage of the insured ship and other indirect expenses
- C. reasonable expenses for ascertaining the loss or damage within the scope of Cover
- D. A, B, C are all wrong

[2500] . is a route established for convenience of ship navigation, often marked with center-line buoys.

- A. Separation Zone or Line B. Recommended Route
- C. Roundabout D. Precautionary Area

[2501] Your radar displays your ship off center. As you proceed on your course, your ship's marker moves on the PPI scope

while echoes from land masses remain stationary. What is this display called?

- A. Off center B. True motion C. Stabilized D. Head up

[2502] The sailor, while cleaning the Reserve Bunker of No. 3 Hatch Lower Hold in preparation for receiving Rock Salt on the morning of 16 inst. accidentally _____ to the bottom floor, thereby sustained injury to his left leg.

- A. fell B. failed C. felt D. feeled

[2503] The airborne concentrations of substances (such as H₂S) under which nearly all workers may be repeatedly exposed without adverse effects are called _____.

- A. exposure limits B. concentration limits
C. threshold limit values D. substance limit values

[2504] A tug is to assist in docking an oceangoing vessel on a hawser. The greatest danger to the tug is _____.

- A. from the ship's propeller when making up aft
B. from being overrun if making up forward
C. hull damage while alongside passing a hawser
D. getting in a tripping position

[2505] A lateral system buoy displaying a quick light _____.

- A. should be passed close aboard on either side
B. indicates that special caution is required
C. is used at a channel bifurcation or junction
D. is painted with red and white vertical stripes

[2506] A sea anchor is _____.

- A. a heavy anchor with an extra long line used to anchor in deep water
B. a cone shaped bag used to slow down the wind drift effect
C. a pad eye to which the sea painter is made fast
D. made of wood if it is of an approved type

[2507] A vessel restricted in her ability to maneuver when engaged in an operation for the maintenance of safety of navigation in a traffic separation scheme is _____ complying with this rule to the extent necessary to carry out the operation.

- A. obliged B. to be C. exempted from D. necessarily

[2508] In case of fire on board the ship _____ the goods, if the claimant or the carrier so desires, a survey in accordance with shipping practices must be held into the cause and circumstances of the fire.

A. effecting B. affecting C. infecting D. perfecting

[2509]A vessel is approaching from dead ahead. Both of her sidelights are visible and her range lights are in line. Which of the following could you do first? .

A. Sound one blast of the whistle B. Alter course to starboard

C. Construct a radar plot D. Sound the danger signal

[2510]You have sent a visual signal to an aircraft. The aircraft then flies over your position on a straight course and level altitude. What should you do? .

A. Repeat your signal B. Send any more signals necessary

C. Change course to follow the airplane D. Prepare for a helicopter pickup

[2511]A drawbridge may use visual signals to acknowledge a vessel's request to open the draw. Which signal indicates that the draw will NOT be opened immediately? .

A. A flashing amber light B. A fixed red light

C. A white flag raised and lowered vertically D. A flashing white light

[2512]Oil may NOT be transferred unless

A. there are two certificated tankermen on each vessel

B. the vessel is equipped with constant-tension winches

C. discharge containment equipment (i. e. Drip pans) are in place

D. both the Capt. and C/E are on board

[2513]Coiling new rope against the lay,bringing the lower end up through the center of the coil, then coiling with the lay,in order to remove the kinks,is known as .

A. coiling B. faking C. flemishing D. thoroughfooting

[2514]A change of trim may be simply defined as .

A.the change in difference between the forward and aft drafts

B.the sum of free communication,free surface and pocketing

C.the moment of inertia of the ship's waterline plane about the athwartship axis

D.rolling and listing

[2515]The emergency signal for fires is sounded on the ship's whistle and general alarm as

A.a continuous ringing for 10 seconds

B.one short ring followed by one long ring

C.two long rings of at least 20 seconds

D.a continuous ringing until the fire is extinguished

[2516] _____ is not a job of the _____ antenna.

- A. To receive the high-frequency pulses from the transmitter
- B. To focus the pulses into a beam, and send them into space
- C. To pick up reflected pulses coming from objects that have been struck by the beam
- D. To reflect microwaves

[2517] In ship construction, frame spacing is _____.

- A. greater at the bow and stem
- B. reduced at the bow and stem
- C. uniform over the length of the vessel
- D. uniform over the length of the vessel, with the exception of the machinery spaces, where it is reduced due to increased stresses

[2518] _____ the master is to use all reasonable care to bring the adventure to a successful conclusion, protecting the ship and cargo from undue risks, as agent for the Shipowner.

- A. The only duty of
- B. None of the duties of
- C. One of the main duties of
- D. No duty of

[2519] If you hear a continuous blast of the ship's whistle for a period of not less than 10 seconds supplemented by a continuous ringing of the general alarm bells for not less than 10 seconds, you should go to your _____.

- A. boat station
- B. fire station
- C. man overboard station
- D. collision station

[2520] Why is gas-freeing rarely required for LPG cargo tanks? _____.

- A. LPG is compatible with all cargoes
- B. LPG's high oxygen content makes it nonvolatile
- C. Cargo tanks are inspected less frequently than on oil tankers
- D. The cargo tanks are used for one type of cargo only

[2521] A sidereal day is shorter than a solar day. This difference is due to _____.

- A. irregularities in the daily rotational rate of the Sun
- B. the space motion of the solar system
- C. the precession of the equinoxes
- D. the use of different reference points

[2522] The tentative cargo plan _____.

- A. eliminates confusion with the final stowage plan

- B. shows the approximate amount of cargo to be loaded in each hold
- C. expedites the total operation
- D. requires an unproportional number of gang hours of work to discharge the cargo

[2523] When you have a tow alongside, your stem should extend aft of the tow in order to

- A. avoid obscuring your stem light
- B. provide a better lead for your lines
- C. obtain better steering control
- D. let the barge deflect floating objects from your propeller

[2524] If the engine of a survival craft does not start, check to see .

- A. that the fuel valve is open
- B. if the air supply system is open
- C. if the water sprinkler system is open
- D. if the limit switch is on

[2525] In heavy weather you notice buckling in the midships deck plating of your vessel. To will not relieve the strain.

- A. pump fuel oil from midships to the ends of the vessel
- B. reduce speed
- C. take a course which most eases the vessel
- D. have more Abs on the bridge to work as lookouts

[2526] Communications concerning such dangers as dangerous ice, a dangerous derelict, or any other direct danger to navigation to ships in the vicinity and to the competent authorities shall be proceeded with

- A. the distress signal
- B. the emergency signal
- C. the safety signal
- D. the first aid signal

[2527]An immersion suit must be equipped with a(n) .

- A. air bottle for breathing
- B. orange smoke canister
- C. whistle, light and retroreflective material
- D. sea dye marker

[2528]A power-driven fishing vessel is underway on the high seas and is not engaged in fishing. Which of the following factors determines what lights she will show? .

- A. Whether she is normally a fishing or a trawling vessel
- B. Her gross tonnage
- C. Her length
- D. The type of gear she carries

[2529] The basic collision avoidance display presented by CASII is designed for easy interpretation and of possible collision threat situations.

- A. full confirmation B. precise appreciation
C. immediate assessment D. timely recognition

[2530]The fireman' s outfit consists of

- A. safety lamp, protective clothing, rigid helmet, breathing apparatus
B. emergency escape breathing device,fire damper,extinguishers
C. firefighting equipment,portable extinguishers,fire dampers
D. fire hoses,fire nozzles,fire hydrants,fire pumps

[2531]ECDIS will not give an alarm for which of the following case? .

- A. If the ship is going to reach a critical point on the planned route
B. When the speed of a dangerous target exceeds a set limit
C. If the ship's ETA has changed beyond the set limit
D. If the displacement is changed

[2532]__ is likely to happen in the narrow coastal zone and shallow waters where part, re?lates are abundant and water is subjected to intense mixing.

- A. Evaporation B. Dispersion C. Emulsification D. Sedimentation

[2533]When dose a bulk carrier experience extreme tension in bottom structure during fast rate loading?

- A. During ballasting in port
B. During loading of heavy cargo in mid-ship holds
C. During correct loading pattern, but with heavy cargo
D. During loading light cargo in end holds

[2534] Mariners are FIRST warned of serious defects or important changes to aids to navigation by means of

- A. marine broadcast Notice to Mariners B. weekly Notices to Mariners
C. corrected editions of charts D. light Lists

[2535] The wavy magenta lines starting at Montauk Point and running generally ENE to Block Island indicate

- A. recommended tracks to Block Island
B. a submerged cable area
C. a military exercise area
D. demarcation lines for application of the COLREGS

[2536] You are steering a southerly course, and you note that the chart predicts an easterly current.Without considering wind, how may you allow for the set?

- A. Head your vessel slightly to the right B. Head your vessel slightly to the left

C. Decrease your speed D. Increase your speed

[2537]What is the worse situation for the hull girder at sea? .

- A. When the wave crest in on the either
- B. When a wave length between the crests is approximately equal to the length of the ship
- C. When the wave crest is amidships
- D. When a wave length is two times of that of the ship

[2538] is measured at midship section and taken from inside the ship' s shell on one side to inside the ship' s side shell on the other side.

- A. Length overall
- B. Molded breadth
- C. Amidships
- D. Extreme breadth

[2539]Every vessel shall maintain a proper look-out by sight and hearing as well as by all available means appropriate in prevailing circumstances and conditions so as to make a full appraisal of the situation and of the risk of collision.

- A. in fog
- B. at night
- C. in narrow fairway
- D. at all times

[2540]In plugging submerged holes on a vessel, rags, wedges, and other materials should be used in conjunction with plugs to

- A. reduce the water pressure on the hull
- B. reduce the water leaking around the plugs
- C. prevent progressive flooding
- D. reduce the possibility of stress fractures

[2541]In order to insure that a RACON signal is displayed on the radar,you should .

- A. increase the brilliance of the PPI scope
- B. turn off the interference controls on the radar
- C. use the maximum available range setting
- D. increase the radar signal output

[2542] A tropical wave is located 200 miles due west of your position, which is north of the equator. Where will the wave be in 24 hours?

- A. Farther away to the west
- B. Farther away to the east
- C. In the same place
- D. Closer and to the west

[2543] For the deepest water when rounding a bend in a river, you should navigate your vessel

- A. toward the inside of the bend
- B. toward the outside of the bend
- C. toward the center of the river just before the bend, then change course for the river's center after the bend
- D. in the river's center

[2544]A cumulus cloud is not a sign of thunderstorm development.

- A. darkening, growing in size and forming an anvil top
- B. that shows extensive vertical development

- C. creating cold downdrafts that are felt on the ground
- D. having its base between sea level and 2 km and 6 km height

[2545] A cargo ship is required to install a total capacity of 120 m³/h of fire pumps by the minimum number of 4. Each of the required fire pumps (other than emergency pump) shall have a capacity of .

- A. 25 m³/h
- B. 24 m³/h
- C. 96 m³/h
- D. 20 m³/h

[2546] forms over land, most frequently during autumn and winter over low-lying land, especially if it is damp and marshy and in valleys on quiet nights with clear skies.

- A. FRONTAL FOG
- B. MIXING FOG
- C. ADVECTION FOG
- D. RADIATION FOG

[2547] With a large ocean tow in heavy weather, you should NOT .

- A. keep the stern of the tug well down in the water
- B. adjust the towline so the tug is on the crest when the tow is in the trough
- C. keep the low point of the catenary in the water
- D. use a long towing hawser

[2548] A distress signal .

- A. consists of 5 or more short blasts of the fog signal apparatus
- B. consists of the raising and lowering of a large white flag
- C. may be used separately or with other distress signals
- D. is used to indicate doubt about another vessel's intentions

[2549] We took usual steps: sounding the depth, reversing and stopping engine, paying out anchor and 60 fathoms of chain cable in the depth of 12 fathoms. The operation above is .

- A. berthing
- B. searching
- C. anchoring
- D. picking up pilot

[2550] offers a detailed description of tidal theory and its application to the analysis prediction of tides and tidal streams.

- A. Ocean Passages for the World (NP136)
- B. Admiralty Tidal Stream Atlases
- C. Admiralty Manual of Tides (NP120)
- D. Admiralty Tidal Handbooks (NP122 1-3)

[2551] The term MODERATE SPEED was previously interpreted as meaning a speed which would enable a vessel within half the range of visibility.

- A. stopping
- B. to stop
- C. to be stopped
- D. to be stopping

[2552] Before passing the Suez Canal the master has to fill out given by the pilot.

- A. the pilotage list
- B. the pilotage form
- C. the pilotage chart
- D. the pilotage certificate

[2553] Which two components pass through the shank of an LWT anchor? .

- A. Anchor shackle and stock B. Tripping palm and flukes
C. Crown and chocks D. Swivel and stabilizer bar

[2554] You are at sea in an inflatable liferaft. In high latitudes, the greatest danger is .

- A. asphyxiation due to keeping the canopy closed
B. hypothermia caused by cold temperature
C. collapse of the raft due to cold temperatures
D. starvation

[2555] refers to the depth of a vessel below the waterline, measured vertically to the lowest part of the hull, propellers or other reference points.

- A. Free board B. Stability height C. Metacentric height D. Draft

[2556] A ship under construction or major repair will acquire permanent magnetism due to while sitting stationary in the earth's magnetic field.

- A. hammering and jarring B. vibration and pounding
C. varying magnetic fields D. stable or permanent magnetism of the ship

[2557] A tow astern is veering from side to side on its towline. The best way of controlling the action is to .

- A. trim the tow by the bow B. trim the tow by the stern
C. list the tow to windward D. adjust the length of the towing bridle

[2558]By radar alone, you detect a vessel ahead on a collision course, about 3 miles distant. Your radar plot shows this to be a meeting situation. You should .

- A. turn to port
B. turn to starboard
C. maintain course and speed and sound the danger signal
D. maintain course and speed and sound no signal

[2559] Under which of the following circumstances would a steam-driven vessel indicate by whistle that her engines are going astern? .

- A. On visually sighting another vessel
B. On hearing the fog signal of another vessel
C. On making a little way with very little speed on the engines
D. On stopping

[2560] are/is not provided with the SAR fleet of Sea Kings.

A. Incubators B. Video/infrared detection pod

C. Multi-band homing system D. Hydraulically-operated main rescue hoist

[2561] You are anchoring in a river where the current is from one direction only. The best way to lay out two anchors is to have them

- A. directly in line with the bow
- B. side by side, with their lines on the port and starboard side
- C. so that their lines form an angle
- D. on top of one another

[2562] Distance along a track line is measured on a Mercator chart by using the

- A. latitude scale near the middle of the track line
- B. longitude scale near the middle of the track line
- C. latitude scale at the midlatitude of the chart
- D. latitude or longitude scale at the middle of the scale

[2563] The dangerous semicircle of a hurricane in the Northern Hemisphere is that area of the storm

- A. to the right of the storm's track
- B. measured from true north clockwise to 180° T
- C. measured from true north counterclockwise to 180° T
- D. between the ship's heading and the bearing to the eye

[2564] Which of the following will increase the height of the center of buoyancy for your vessel ;

- A. Discharging weight from lower decks
- B. Loading weight in upper decks
- C. Shifting weight from lower to upper decks
- D. Shifting weight from upper to lower decks

[2565] Which tensioning device is used with chain to secure heavy vehicles aboard Ro-Ro vessels?

- A. Chain lever
- B. Buckle tensioner
- C. Adjust-a-matic tensioner
- D. Ratchet tensioner

[2566] In each inflatable rescue boat, what piece of equipment is provided to make quick, emergency, temporary repairs to a large hole in a raft?

- A. No equipment is provided
- B. Glue and rubber patches
- C. Several various-sized sealing clamps
- D. Self-adhesive rubberized canvas patches

[2567] When one of two vessels is required to keep out of the way the other must keep course and speed.

- A. in sight of another
- B. sights the other
- C. not in sight of the other
- D. in sight of one another

[2568] The dead reckoning position is .

- A. less accurate than a confirmed Fix in most cases
- B. more accurate than those determined by electronic systems
- C. always very accurate
- D. of more than average importance to determine the speed, direction and distance made good

[2569] On a voyage from Halifax, N. S. , to Dakar, West Africa, the Canary Current will

- A. set the vessel to the left
- B. set the vessel to the right
- C. offer resistance in the form of a head current
- D. furnish additional thrust in the form of a fair or following current

[2570] In towing it is desirable for the tug and the vessel to ride wave crests simultaneously because

- A. shock loading on the tow line is reduced
- B. towing speed is improved
- C. the vessel is more visible from the tug
- D. the catenary of the tow line is reduced

[2571] A vessel which detects by radar alone the presence of another vessel shall .

- A. determine if a close-quarters situation is developing and/or risk of collision exists
- B. take avoiding action in ample time
- C. immediately alter her course to port
- D. take all her way off and keep on her course

[2572] A heated bulkhead has the effect on a hygroscopic commodity of .

- A. causing moisture to accumulate against the bulkhead
- B. lowering the vapor pressure of the commodity
- C. lowering the dew point of the air
- D. raising the vapor pressure of the commodity

[2573] A vessel approaching a narrow channel shall .

- A. avoid crossing the channel if it impedes another vessel navigating in the channel
- B. not overtake any vessels within the channel
- C. keep as close as possible to the edge of the channel on her port side
- D. anchor only in the middle of the channel

[2574] When providing first aid to a victim of gas poisoning, the MOST important symptom to check for is .

- A. suspension of breathing
- B. unconsciousness
- C. slow and weak pulse
- D. cold and moist skin

[2575] _____ is not a criteria for fixing the reward of salvage operations.

- A. The value of the vessel and other property
- B. The skill and efforts of the salvors in preventing or minimizing damage to the environment
- C. The measure of success obtained by the salvor
- D. The nature and degree of the danger

[2576] _____ is correct.

- A. The sea breeze is blowing in day time
- B. The land breeze is blowing in night time
- C. The sea breeze is blowing from land to sea and the land breeze from sea to land
- D. The land breeze is blowing from land to sea and the sea breeze from sea to land

[2577] How should cargo tank hatches be protected when the ullage opening is open and the tank NOT gas free? _____ .

- A. With gooseneck vents B. With warning signs
- C. With flame screens D. With pressure-vacuum relief valves

[2578] SINGLE UP FORWARD TO HEAD LINE AND SPRING means _____ .

- A. let go all the lines forward including head line and spring
- B. let go the head line and spring only
- C. let go all the lines except a head line and a spring
- D. let go the head line and spring and other lines

[2579] You are on watch at sea a man falls overboard on the port side, forward near No. 1 hatch. What of the following should you do FIRST? _____ .

- A. Call the master B. Put the helm hard over toward the port side
- C. Sound the alarm to arouse all hands D. Stop the engines

[2580] _____ is the most widespread type likely to be encountered at sea and is caused by relatively warm air being cooled by flowing over a cooler sea surface.

- A. FRONTAL FOG B. MIXING FOG
- C. ADVECTION FOG D. RADIATION FOG

[2581] On board a bulk carrier,

- A. harbour SWSF > seagoing SWSF, harbour SWBM > seagoing SWBM
- B. harbour SWSF < seagoing SWSF, harbour SWBM < seagoing SWBM
- C. harbour SWSF > seagoing SWSF, harbour SWBM < seagoing SWBM

D. harbour SWSF < seagoing SWSF, harbour SWBM > seagoing SWBM

[2582] With respect to a reversing current, slack water occurs when there is .

- A. little or no horizontal motion of the water
- B. little or no vertical motion of the water
- C. a weak ebb or flood current
- D. when winds cause water to back up in a river mouth

[2583] What does the helm command SHIFT THE RUDDER mean?

- A. Put the rudder over to the opposite side, the same number of degrees it is now
- B. Put the rudder amidships and hold the heading steady as she goes
- C. Shift the rudder control to the alternate steering method
- D. Stop the swing of the ship

[2584] What is MTI?

- A. The foot/tons needed to trim the vessel by 1 inch
- B. The foot/tons needed to trim the vessel by 1 foot
- C. The moments needed to trim the vessel by 1 centimeter
- D. The amount of vessel will trim when loading 100 tons 100 feet from the tipping Center

[2585] Each ship having an inert gas system must have a portable instrument to measure concentrations of hydrocarbon vapor in inert atmospheres and also to measure .

- A. nitrogen
- B. oxygen
- C. carbon dioxide
- D. water vapor

[2586] Gasoline tanks should be filled .

- A. to the top to expel all vapors from the tanks
- B. to the top so the operator is certain how much fuel he has aboard
- C. with only sufficient fuel for the planned trip so excess gasoline is not carried .
- D. to near the top with some space allowed for gasoline expansion

[2587] A vessel would be referred to as tender when the weight of the cargo is .

- A. evenly distributed vertically and the double bottoms are full
- B. concentrated low and the double bottoms are empty
- C. concentrated low and the double bottoms are full
- D. concentrated high and the double bottoms are empty

[2588] What is the purpose of the intermediate spring? .

- A. Serves as a backup for the main tow hawser in case of failure

- B. Provides weight and flexibility to the total tow makeup
- C. Lengthens the main tow hawser to keep the tow in step
- D. Distributes the towing load

[2589] A radar contact will remain stationary on a relative motion radar display only when it is

- A. on the same course as your vessel
- B. at the same speed as your vessel
- C. on the same course and speed as your vessel
- D. on a reciprocal course at the same speed as your vessel

[2590] In the Northern Hemisphere, the largest waves or swells created by a typhoon or hurricane will be located

- A. in the southeast quadrant of the storm
- B. directly behind the storm center
- C. forward and to the right of its course
- D. behind and to the left of its course

[2591] A man has a burn on his arm. There is reddening of the skin, blistering, and swelling. Using standard medical terminology this is a

- A. major burn
- B. secondary burn
- C. second-degree burn
- D. blister burn

[2592] A backlash below a lock is defined as

- A. a current setting your vessel on the wall
- B. a current setting into the lock chamber
- C. an eddy working along the lower guide wall
- D. a current setting counterclockwise

[2593] You have been towing astern and have just let go the tow. Your deckhands are pulling in and faking the towline by hand on the stern. The most dangerous action to take is to

- A. continue ahead at slow speed
- B. continue ahead at half speed
- C. stop your engines
- D. back down on your engines

[2594] _____ is not a vessel under the Colreg.

- A. The seaplane
- B. The WIG craft
- C. The non-displacement craft used as a means of transportation on water
- D. The oil rig

[2595] You are doing a Williamson turn. Your vessel has swung about 60° from the original course heading. You should

- _____
- A. put the rudder amidships and check the swing

- B. stop the engines and prepare to maneuver to pick up the man in the water
- C. shift your rudder
- D. increase to maximum speed

[2596] A 30,000 DWT tanker is required to have an IOPP certificate when .

- A. engaged in the coastwise trade
- B. going foreign
- C. calling at ports in another country signatory to MARPOL 73/78
- D. carrying cargoes listed in the MARPOL regulations

[2597] Your vessel is port side to a pier with a spring line led aft from the bow. In calm weather, putting the engines ahead with the rudder hard left should bring .

- A. the bow in and the stern out
- B. both the bow and stem in
- C. the bow out and the stern in
- D. both the bow and stern out

[2598] A vessel travelling down a narrow channel, especially if the draft is nearly equal to the depth of the water, may set off the nearer side. This effect is known as .

- A. smelling the bottom
- B. squatting
- C. bank suction
- D. bank cushion

[2599] Unless the language used in the bill of lading is wide enough to extend the Shipowner' s rights, the holder of the bill of lading is entitled to have his goods to him upon payment of freight reserved by the bill of lading.

- A. deliver
- B. delivery
- C. delivered
- D. delivering

[2600] A vessel which is being assisted by an icebreaker should indicate that she is ready to cast off the towline by

- A. displaying code letter Y (Yankee)
- B. sounding five short blasts on his whistle
- C. displaying code numeral 5
- D. sounding one prolonged blast on his whistle

[2601] If, in the professional judgement of the master, a conflict between any safety and security requirements applicable to the ship arises during its operations, the master shall give effect to those requirements necessary to maintain the of the ship.

- A. security
- B. safety
- C. integrity
- D. intact

[2602] can be regarded as a vessel restricted in her ability to maneuver.

- A. Any aircraft designed to maneuver on the water
- B. A vessel engaged in dredging, surveying or underwater operations

C. A vessel under sail provided that propelling machinery is not used

D. A small vessel sailing at night

[2603] The information on ocean voyage planning with routeing details for powered and sailing vessels is likely found in

A. ocean Passages for the World (NP136)

B. symbols and Abbreviations used on Admiralty Charts, Chart 5011

C. weekly Admiralty Notices to Mariners

D. the Mariners Handbook (NP100)

[2604] How does the effect known as bank suction act on a single-screw vessel proceeding along a narrow channel?_____

A. It pulls the bow toward the bank

B. It pushes the entire vessel away from the bank

C. It pulls the stern toward the bank

D. It heels the vessel toward the bank

[2605] A sweep oar is an oar that is .

A. generally shorter than the others and is used to steer with

B. is longer than the others and is used as the stroke oar

C. is raised in the bow of the boat for the steersman to steer by

D. longer than the others used for steering

[2606]The word "breadth of a vessel" in International Regulations for Preventing Collision at Sea 1972 means .

A. the molded breadth B. the registered breadth

C. the breadth amidships D. the maximum breadth

[2607]Why should you report accident to the Designated Person? .

A. To find some one to blame

B. To obtain soonest instructions from the company and to prevent it from happening again

C. So the company can calculate your safety bonuses

D. To be able to receive an insurance claim

[2608] is not a proper form for Muster lists.

A. A separate card given to each crew member

B. A separate instruction booklet given to each crew member

C. A card fixed in each cabin with instructions for the occupant of the cabin

D. A well prepared notice posted on water-tight doors and/or in chart-room

[2609] A towboat is pushing barges ahead at a dangerously fast speed when .

- A. the towboat vibrates when backing down
- B. the poop exceeds the height of the main deck
- C. a strain is placed on the face wires
- D. water comes over the foredeck of the lead barges

[2610] A tool consisting of a handle and releasable chain used for turning pipe or fittings of a diameter larger than that which a pipe wrench would fit is called .

- A. breakout wrench
- B. makeup tongs
- C. chain tongs
- D. pipe spinner

[2611] A certificate attesting that insurance or other financial security is in force shall be to each ship carrying more than 2,000 tons of oil in bulk as cargo.

- A. issued
- B. produced
- C. printed
- D. written up

[2612]_____ be under any liability for any failure to perform any of their obligations hereunder by reason of any cause whatsoever of any nature or kind beyond their reasonable control.

- A. Neither the Owners nor the Managers shall
- B. The Owners shall not
- C. The Managers shall not
- D. Both the Owners and the Managers shall not

[2613]A patient suffering from heat exhaustion should be .

- A. moved to a cool room and told to lie down
- B. kept standing and encouraged to walk slowly and continuously
- C. given a glass of water and told to return to work after 15 minutes of rest
- D. made to work harder and produce more sweat

[2614]As a ship moves through the water, it drags with it a body of water called the wake. The ratio of the wake speed to the ship's speed is called

- A. propeller velocity
- B. speed of advance
- C. wake distribution
- D. wake fraction

[2615]The prohibition against displaying lights which may be confused with required navigation lights applies

- A. from sunset to sunrise and during restricted visibility
- B. only when other vessels are in the area
- C. only when operating in a traffic separation scheme
- D. only when under tow

[2616]Cracks may be prevented from developing at the corners of welded plating inserts by

- A. squaring the corners
- B. rounding the corners

C. plug welding the corners D. slot welding the corners

[2617] Approaching an anchorage in fog, you hear one short, one prolonged, and one short blast in that sequence on a ship's whistle. This indicates

- A. a vessel towed
- B. a vessel not under command and unable to maneuver
- C. a vessel anchored giving warning of her position
- D. a vessel stopped dead in the water

[2618] A person suffering from possible broken bones and internal injuries should .

- A. be assisted in walking around
- B. be examined then walked to a bunk
- C. not be moved but made comfortable until medical assistance arrives
- D. not be allowed to lie down where injured but moved to a chair or bunk

[2619] SOLAS is the abbreviation of -

- A. international Maritime Dangerous Goods carried by sea
- B. international Code for the Construction and Equipment of ships Carrying Gases in Bulk
- C. international Convention for the Safety of Life at Sea
- D. international Regulations for Preventing Collisions at Sea

[2620] In the unlikely event that a distress situation allows you to send only a very short message, after MAYDAY would you first say ?

- A. your name and call-sign
- B. your position
- C. the number of persons on board
- D. the nature of the distress situation

[2621] In the Northern Hemisphere, gusty winds shifting clockwise, a rapid drop in temperature, thunderstorms or rain squalls in summer (frequent rain/snow squalls in winter) then a rise in pressure followed by clearing skies, indicate the passage of a(n)

- A. warm front
- B. tropical cyclone
- C. anticyclone
- D. cold front

[2622] The ideal rope for stoppers should satisfy the following requirements except that .

- A. the stopper should be of synthetic fibre rope
- B. the size of the stopper should be as large as possible
- C. the stopper should be of low stretch material
- D. the stopper should be very flexible

[2623] The Company will pay all your expenses, during your actual service onboard vessel, for any sickness contracted

or injury received whilst upon Company's business provided that it was not self-inflicted or due to your own fault or negligence.

A. physical B. substantial C. medical D. treatmental

[2624]As for Racon, which one is incorrect in the following? .

- A. Racon is a radar transponder
- B. Racon is often installed on major waypoints
- C. When activated by a radar signal, the Racon sends it back with an identifier
- D. Racon can be used to take place of radar

[2625]A fire is discovered in the bow of your vessel while making way. The wind is from ahead at 35 knots. You should .

- A. remain on course and hold speed
- B. remain on course but slack the speed
- C. change course to put the wind on either beam and increase speed
- D. change course and put the stern to the wind

[2626]A shipmate chokes suddenly, cannot speak, and starts to turn blue. You should .

- A. perform the Heimlich maneuver
- B. make the victim lie down with the feet elevated to get blood to the brain
- C. immediately administer CPR
- D. do nothing until the victim becomes unconscious

[2627]LOW ABOUT 300 MILES SOUTHWEST OF LISBON 1004 MOVING SLWLY SOUTHEAST COMMA FILLING 1006 BY MIDNIGHT. This phrase is likely to be under the heading of .

- A. GALE WARNING B. 24 HOURS FORECAST
- C. GENERAL SITUATION D. TROPICAL CYCLONE WARNING

[2628] is not a proper instruction for handling hatch covers.

- A. Not to obstruct clear fore-and-aft passageways
- B. Not to obstruct coaming-to-bulwark passageways
- C. To be lashed or otherwise secured to prevent accidental dislodgement
- D. To be laid on their sides

[2629] The symbol which appears beside a light on a chart reads "Gp F1 R2 10 sec 160 ft 19M". Which characteristic does the light possess? ____ .

- A. It is visible two nautical miles B. Its distinguishing number is "19M"
- C. It has a red light D. It flashes once every ten seconds

[2630] A vessel proceeding along a narrow channel shall .

- A. avoid crossing the channel at right angles
- B. not overtake any vessels within the channel
- C. keep as near as safe and practicable to the limit of the channel on her starboard side
- D. when nearing a bend in the channel, sound a long blast of the whistle

[2631] A COMPLEX LOW OF 975 980 MBS ABOUT THE SOUTH ISLAND OF NEW ZEALAND MOVING SLOWLY SOUTHEASTWARDS STOP. This phrase is likely to be under the heading of

- A. GALE WARNING
- B. 24 HOURS FORECAST
- C. MAP ANALYSIS
- D. STORM WARNING

[2632] Physical exertion on the part of a person who has fallen into cold water would

- A. be the best thing to try if there was no rescue in sight
- B. increase survival time in the water
- C. increase the rate of heat loss from the body
- D. not affect the heat loss from the body

[2633] give the shortest navigable distances in International Nautical Miles (1852 m) between important positions and chief ports of the world.

- A. Navtex and Safety NET information
- B. Admiralty Distance Tables
- C. Admiralty Tide Tables
- D. Tidal Stream Atlases

[2634] Your vessel has just finished bunkering and has a small list due to improper distribution of the fuel oil. This list will cause____.

- A. a decrease in reserve buoyancy
- B. a decrease in the maximum draft
- C. the vessel to flop to port or starboard
- D. little influence on stability

[2635] A strong, often violent, northerly wind occurring on the Pacific coast of Mexico, particularly during the colder months, is called .

- A. tehuan tepecer
- B. papagayo
- C. norther
- D. pampero

[2636] A navigator fixing a vessel's position by radar .

- A. should never use radar bearings
- B. should only use radar bearings when the range exceeds the distance to the horizon
- C. can use radar information from one object to fix the position
- D. must use information from targets forward of the beam

[2637] provides strength and storage space for fuel, lubricating oil, fresh water, salt (ballast) water and

potable water.

- A. The double bottom
- B. The cofferdam
- C. The navigating bridge
- D. The superstructure

[2638] A snag or other underwater obstruction may form a .

- A.V-shaped ripple with the point of the V pointing upstream
- B.V-shaped ripple with the point of the V pointing downstream
- C. small patch of smooth water on a windy day
- D. smoothing out of the vessel' s wake

[2639] No navigational aids are shown and the chart is not kept corrected for alterations in depths inside the pecked lines.

For more detailed information, the larger scale charts must be_____ .

- A. referred to
- B. appreciated
- C. met with
- D. concerned

[2640]Channel 13 (156. 65 mhz) ,the designated bridge-to-bridge channel,may NOT be used to

- A. exchange navigational information between vessels
- B. exchange navigational information between a vessel and a shore station
- C. conduct necessary tests
- D. exchange operating schedules with company dispatcher

[2641] You are pushing a tow ahead and passing close to another towboat which is pushing ahead inthe same direction (you are overtaking). After the towheads pass close alongside_____

- A. you will gain speed
- B. both boats will gain speed
- C. the tows will tend to drift apart
- D. the tows will tend to drift together

[2642] The daily predictions of the times and heights of high and low water for a selection of Stand?ard Ports are given in

- A. admiralty Maritime Communications
- B. admiralty Tide Tables
- C. a comprehensive guide for the yachtsman
- D. ALRS

[2643] An inflatable liferaft should be manually released from its cradle by .

- A. cutting the straps that enclose the container
- B. removing the rubber sealing strip from the container
- C. loosening the turnbuckle on the securing strap
- D. pushing the button on the hydrostatic release

[2644] The strongest method of forming an eye in wire rope is using .

- A. three wire rope clamps
- B. an eye splice with four or five tucks

C. a thimble fastened with four or five tucks D. a wire rope socket attached with zinc

[2645] You plot a Fix using three lines of position and find they intersect in a triangle. The best position of the vessel

A. is outside of the triangle B. may be anywhere in the triangle

C. may be inside or outside of the triangle D. is the geometric center of the triangle

[2646] You are on watch at sea at night and a fire breaks out in 3 hold. What should be done IMMEDIATELY? _____ A.

Shut down the cargo hold ventilation

B. Proceed to the space and determine the extent of the fire

C. Flood the space with CO₂ from the fixed fire fighting system

D. Cool the deck to contain the fire

[2647] _____ is not a proper procedure for a lashing of the timber deck cargo.

A. To be efficiently attached to the deck stringer plate or other strengthened points

B. To pass over the timber deck cargo

C. To be shackled to eye plates

D. To be applied not contacting with the timber deck cargo

[2648] Which of the following is suitable for bagged cargo?

A. Hydraulically operated pusher B. Spread beam sling

C. Revolving roll clamping device D. Platform sling

[2649] Chart information details to be used in ECDIS should be the latest edition of information originated by a government-authorized hydrographic office and conform to the standards of (the)

A. international Maritime Organization B. international Hydrographic Organization

C. China MSA D. US Coast Guard

[2650] Flanking rudders effect a vessel' s heading because of the _____ .

A. effect of the propeller flow on the rudders

B. water flow due to the vessel' s movement through the water

C. tunnel affect of the water flow past opposing rudders

D. discharge current being channeled to impinge on the vessel' s deadwood

[2651] Important changes to charts and lights (including temporary ones) ,radio signals and sailing directions are listed in _____ .

A. weekly Admiralty Notices to Mariners

B. the Mariners Handbook (NP100)

C. ocean Passages for the World (NP136)

D. symbols and Abbreviations used on Admiralty Charts, Chart 5011

[2652] You are on a single-screw vessel with a left-handed propeller making no way in the water How will your vessel react when you apply right rudder?

A. Bow will kick to starboard

B. Bow will kick to port

C. Rudder alone has no effect on the vessel

D. Stern will kick to port, then slowly swing to starboard

[2653] All wire rope used in shipboard cargo gear must be identified and described in a certificate.

The certificate shall certify all of the following EXCEPT the .

A. date of the test B. load at which a test sample broke

C. name of the vessel D. number of strands and of wires in each strand

[2654]While underway in thick fog you are on watch and hear the cry "man overboard". Which type of maneuver should you make? .

A. Figure eight turn

B. Round turn

C. Racetrack turn

D. Williamson turn

[2655]For what purpose would using a Lambert conformal chart be more convenient than using a Mercator?_____ A.

Plotting radio bearings over a long distance

B. Determining latitude and longitude of a Fix

C. Measuring rhumb line distances

D. Measuring rhumb line directions

[2656] The functioning of the radiotelegraph installations for motor lifeboats and/or the portable radio apparatus for survival craft, if provided, with the provisions of the regulations.

A. provided B. supplied C. complied D. divided

[2657] is the level applying for the period of time when there is the probable or imminent risk of a security incident, requiring extensive security measures and the involvement of the authorities.

A. Security level 0

B. Security Level 1

C. Security Level 2

D. Security Level 3

[2658] Navigation lights must be displayed in all weathers from sunset to sunrise. They also

A. must be displayed when day signals are being used

B. must be displayed when moored to a pier

C. may be extinguished at night on open waters when no other vessels are in the area

D. may be displayed during daylight

[2659] A twin screw vessel, making headway with both engines turning ahead, will turn more readily to starboard if you

- A. reverse port engine, apply right rudder
- B. reverse port engine, rudder amidships
- C. reverse starboard engine, apply right rudder
- D. reverse starboard engine, rudder amidships

[2660] For use as protection from gas leaking from a refrigeration unit, each ship must be equipped with a ____ .

- A. portable ventilation system
- B. flame safety lamp
- C. self-contained breathing apparatus
- D. gas mask

[2661] Mooring with two bow anchors has which major advantage over anchoring with one bow anchor?

- A. The vessel will not reverse direction in a tidal current
- B. The radius of the vessel's swing will be shortened
- C. A mooring approach may be made from any direction
- D. The vessel will not swing with a change in wind

[2662] If a towing vessel and her tow are severely restricted in their ability to change course, they may show lights in addition to their towing identification lights. These additional lights may be shown if the tow is

- A. pushed ahead
- B. towed alongside
- C. towed astern
- D. pushed or towed in any way

[2663] Your chart indicates that there is an isolated rock and names the rock using vertical letters. This indicates the

- A. rock is visible at low water springs only
- B. rock is a hazard to deep draft vessels only
- C. rock is dry at high water
- D. exact position of the rock is doubtful

[2664] Which vessel is the stand-on vessel when two vessels crossing in fog are NOT in sight of one another?

- A. The vessel which has the other on her own starboard side
- B. The vessel which has the other on her own port side
- C. The one which hears the other's fog signal first
- D. Neither vessel is the stand-on vessel

[2665] A crew member has just fallen overboard off your port side. Which action should you take?

- A. Immediately put the rudder over hard right
- B. Immediately put the rudder over hard left
- C. Immediately put the engines astern
- D. Wait until the stern is well clear of the man and then put the rudder over hard right

[2666]What is a spill pipe?

- A. A drainage pipe that carries rain or spray from an upper deck to a lower deck
- B. A pipe under the anchor windlass leading to the chain locker
- C. A chute, usually over the stern, to lead dumped garbage clear of the hull
- D. An opening in the deck leading outside the hull

[2667] will not contribute to the errors in the draft survey.

- A. Difference between draft table (based on drawings) and as built
- B. Accuracy in water density estimate (saltiness and temperature)
- C. Accuracy in determining bunkers , stores etc.
- D. The tally methods performed by the crew

[2668] GOB rope is .

- A. a mooring line for tying up lighters for working cargo alongside a vessel anchored in an open roadstead
- B. used to secure the towline aft over the centerline of a tug
- C. a line hung over a vessel' s side to assist in boarding
- D. a rope used in mooring a vessel to a buoy

[2669] Which vessel is most likely to be loaded full but not down?

- A. A bulk carrier loaded with heavy ore
- B. bulk carrier loaded with steel
- C. break bulk vessel loaded with palletized cargo
- D. tanker loaded with heavy grain

[2670] The "Port-Off-Stbd" selector switch on an autopilot steering stand is used to .

- A. change from hand electric steering to automatic gyro
- B. change over one steering system to the other
- C. change over hand electric steering to non-follow-up
- D. change over the port to the starboard bow thruster

[2671]On the high seas, a fog signal consisting of one prolonged blast followed by four short blasts would indicate the presence of a .

- A. vessel being towed
- B. fishing vessel engaged in trawling
- C. vessel at anchor warning you of her location
- D. power-driven pilot vessel on station underway

[2672] You are approaching a vertical lift bridge. You know the span is fully open when .

- A. three white lights in a vertical line are lit
- B. a red light starts to flash at about 60 times a minute
- C. a yellow light is illuminated on the bridge pier
- D. there is a range of green lights under the lift span

[2673] What would not be considered a vessel under the International Rules of the Road?

- A. A jack-up rig under tow
- B. A semisubmersible drilling rig under tow
- C. A semisubmersible drilling rig drifting after breaking a tow line
- D. A derelict drifting at sea

[2674] outlines the Admiralty method of Harmonic tidal analysis for long and short observation periods plus a volume on datums for hydrographic surveys.

- A. Ocean Passages for the World (NP136)
- B. Admiralty Tidal Stream Atlases
- C. Admiralty Manual of Tides (NP120)
- D. Admiralty Tidal Handbooks (NP122 1-3)

[2675] You are on watch at sea at night, and a fire breaks out in #3 hold. What would you NOT do immediately? .

- A. Shut down the cargo hold ventilation
- B. Sound the fire alarm signal to rouse out all hands
- C. Call the Master
- D. Proceed to the space and inspect the extent of the fire

[2676] _____ are aids to navigation which mark channel junctions or bifurcations and often mark wrecks or obstructions.

- A. Preferred channel marks
- B. Lateral marks
- C. Safe water marks
- D. Isolated danger marks

[2677] is just to put it and notify me as to where and how the cargo was damaged.

- A. What you ought to do with the damaged cargo/aside
- B. What you should do with the damaged cargo/beside
- C. What will you do with the damaged cargo/besides
- D. What have you to do with the damaged cargo/side by side

[2678]With respect to failure warnings and status indications, GPS receivers should provide, at a minimum, ____

- A. a warning of loss of position
- B. a cross-track error alarm
- C. an indication of a change in satellite configuration

D. an alarm if engine speed is suddenly reduced

[2679]The 3-cm radar as compared to a 10-cm radar with similar specifications will .

- A. give better range performance in rain, hail, etc
- B. display small targets in a mass of dense sea clutter at a greater range
- C. have less sea return in choppy rough seas
- D. display a more maplike presentation for inshore navigation

[2680]Which one of the followings is correct regarding the use of gyrocompass? .

- A. Gyrocompass does not have to be started before sailing
- B. Gyrocompass must be stopped when vessel alongside a berth
- C. Gyrocompass needs to be checked from time to time
- D. Gyrocompass is not influenced by the latitude and ship's motion

[2681] A single vessel being towed alongside shall exhibit .

- A. one all-round white light
- B. sidelights and a stem light
- C. only the outboard sidelight and a stem light
- D. a masthead light, sidelights, and a stem light

[2682]After casting off moorings at a mooring buoy in calm weather, you should .

- A. go full ahead on the engine(s)
- B. back away a few lengths to clear the buoy and then 20 ahead on the engines
- C. go half ahead on the engines and put the rudder hard right
- D. go half ahead on the engines and pass upstream of the buoy

[2683]The tow makeup that is designed to keep the catenary of the tow hawser to a minimum is called the

- A. christmas tree tow
- B. tandem tow
- C. british tow
- D. tandem tug tow

[2684] Contracting Governments shall provide a through which such ships can request advice or assistance and to which such ships can report any security concerns about other ships, movements or communications.

- A. point of Attack
- B. point of contact
- C. way Point
- D. receiving Point

[2685] is correct according to safe mooring practice.

- A. Synthetic rope can be used as a stopper on wires
- B. A safety helmet without chinstraps is allowed
- C. New ropes have the same elongation as used ropes
- D. Two or more lines leading in the same direction should always be of the same material

[2686] In some river mouths and estuaries the incoming high-tide wave crest overtakes the preceding low-tide trough.

This results in a wall of water proceeding upstream, and is called a .

- A. seiche B. bore C. boundary wave D. surge

[2687] You are on a single-screw vessel with a right-handed propeller. The vessel is going full speed astern with full right rudder. The bow will swing_____

- A. quickly to port, then more slowly to port B. probably to port
C. slowly to port, then quickly to starboard D. probably to starboard

[2688] When launching a lifeboat in the rough sea, the davit gears should be released .

- A. before the boat is lowered from the stowed position
B. as the boat fall blocks break clear of the davit head
C. before the boat is lowered from the embarkation level
D. after the boat is released into the water

[2689] The best method to secure a tow line to a cleat is to .

- A. take a turn around the cleat, then figure-eights, and a half-hitch
B. make figure-eights, followed by a half-hitch, then a figure-eight knot
C. take a turn, a half turn, and a figure-eight
D. take several turns around the cleat only

[2690] For safety reasons, when assistance towing .

- A. the disabled vessel should be towed to the nearest port
B. the disabled vessel should be inspected for flammable gases
C. passengers should always be removed from the disabled vessel
D. personnel on the disabled vessel should don PFD's

[2691] You have anchored in a mud and clay bottom. The anchor appears to be dragging in a storm. What action should you take?

- A. Shorten the scope of the cable
B. Veer cable to the anchor
C. Drop the other anchor underfoot
D. Drop the second anchor, veer to a good scope, then weigh the first anchor

[2692] You are on watch in fog. Which vessel is " in sight" ? .

- A. A vessel that you can see from the bridge
B. A radar target of which you have determined the course and speed

C. A vessel from which you can hear the fog signal

D. A vessel you can not see but she can see you

[2693] A hydrostatic release mechanism for a liferaft

A. must be wet before it will release

B. should be kept in a watertight cover except in an emergency

C. will inflate the raft in its cradle if operated manually

D. must be submerged to a certain depth to release automatically

[2694] Which statement is TRUE about nylon line?

A. Manila line will usually last longer than nylon line

B. Nylon line is excellent for use in alongside towing

C. A normal safe working load will stretch nylon line 50%

D. Nylon stoppers should be used with nylon line

[2695] You are going ahead on twin engines when you want to make a quick turn to port. Which actions will turn your boat the fastest?

A. Reverse port engine; apply left rudder

B. Reverse port engine; rudder amidships

C. Reverse starboard engine; apply left rudder

D. Reverse starboard engine; rudder amidships

[2696] Your dead reckoning position should be plotted

A. whenever an estimated position is plotted

B. when it agrees with your Loran position

C. when coming on or going off soundings

D. at least every hour on the hour in the open waters of the sea

[2697] Which vessel is NOT classified as "restricted in her ability to maneuver"?

A. A vessel picking up a navigation mark

B. A vessel transferring cargo while underway

C. A vessel whose anchor is fouled

D. A vessel in a towing operation that restricts the ability of the vessel and her tow to change their course

[2698] _____ is not an item of the communication between the ship and shore.

A. Agreed procedure to STOP cargo operations

B. Personnel responsible for terminal cargo operations

- C. Agreed procedure for draught checking
- D. Agreement between the ship's Master and the terminal representative

[2699] The rescuer can best provide an airtight seal during mouth-to-mouth resuscitation by pinching the victim's nostrils and .

- A. cupping a hand around the patient's mouth
- B. keeping the head elevated
- C. applying his mouth tightly over the victim's mouth
- D. holding the jaw down firmly

[2700] Finally, when your ship is alongside, don't forget .

- A. having rat guards properly mounted on your moorings
- B. to have rat guards properly mounted on your moorings
- C. to have rat guards properly mounting at your moorings
- D. having rat guards proper mounted on your moorings

[2701] Which one of the following is not a right way to behave during mooring or unmooring operation? .

- A. Stay close to the towline at all time
- B. Beware the bights
- C. When operating the winch/windlass, ensure that yourself understand the controls
- D. When the tug is being secured or let go, monitor the operation closely

[2702] Neglecting friction, you desire to lift a 300 kgs weight with a stress on the hauling part of 100s. Which of the following tackles would you use? _____

- A. Gun tackle
- B. Luff tackle
- C. Two-fold tackle
- D. Double-luff tackle

[2703] Our starboard derrick boom of hatch No. 4 is badly cracked that it has become entirely useless.

- A. at its goose neck to such a extent
- B. at its goose neck to such an extent
- C. at its goose neck for such a extent
- D. at its goose neck to such an extent

[2704] Which of the following may be used in cleaning up an oil spill without the permission of governmental authorities?

- A. Straw and Skimmers only
- B. Skimmers and Chemical dispersants only
- C. Straw and Chemical dispersants only
- D. Straw, Skimmers and Chemical dispersants

[2705] Hygroscopic cargoes should be ventilated when .

- A. going from a warm to a cold climate
- B. the dew point of the outside air is greater than the dew point of the air in the hold

- C. the dew point of the air in the hold is very low
- D. the outside dew point is 16°C and the cargo temperature is 12°C

[2706] A major advantage of the NAVTEX system when compared to other systems is that

- A. the information can be received on an ordinary FM radio
- B. warnings are printed out for reading when convenient
- C. broadcasts are at scheduled times
- D. a low frequency band is used for long distance transmission

[2707] A racetrack turn would be better than a Williamson turn in recovering a man overboard if

- A. the man has been missing for a period of time
- B. the sea water is very cold and the man is visible
- C. there is thick fog
- D. the wind was from astern on the original course

[2708] Before a Master relieves a Pilot of the conn, the

- A. master should foresee any danger to the vessel on the present course
- B. vessel must be in extremis
- C. master should agree to sign a release of liability form
- D. master must first request the Pilot to take corrective action

[2709] You are a watch standing mate and have come to the bridge to relieve the watch while underway at sea. The watch should not be transferred

- A. during an engine speed change
- B. during a navigational course change
- C. unless the helm is in the "hand" mode
- D. when a vessel has been past and cleared

[2710] You are approaching a vessel dredging during the day and see two balls in a vertical line on the port side of the dredge. These shapes mean that

- A. you should pass on the port side of the dredge
- B. there is an obstruction on the port side of the dredge
- C. the dredge is not under command
- D. the dredge is moored

[2711] Concentrated heavy loads are involved in loading a LASH vessel. What does NOT require close attention due to such loads while working cargo? _____

- A. GM-available and required
- B. Longitudinal stress numeral
- C. Tons per inch immersion numeral
- D. Draft

[2712] When a patient is suspected of having appendicitis, the primary action is to .

- A. give the patient a laxative to relieve pain
- B. give the patient morphine sulfate to relieve pain
- C. confine to bed until helicopter arrives
- D. give the patient aspirin with a glass of water

[2713] Ice blink is .

- A. the dark appearance of the underside of a cloud layer due to reflection of a surface of open water
- B. the soft light appearance on the underside of a cloud layer due to reflection from a surface of open water
- C. the yellowish-white glare on the underside of a cloud layer
- D. water sky

[2714] _____ is used for providing homing signals from survival craft for detection by 9 GHz radar.

- A. NAVTEX receiver
- B. Search and rescue transponder
- C. Emergency position indicating radio beacon
- D. Digital selective calling

[2715] AIS is expected to broadcast all of the following information EXCEPT. _____ .

- A. port of origin
- B. name of vessel
- C. course and speed over ground
- D. draft of vessel

[2716] Which statement is TRUE concerning the placard entitled Discharge of Oil Prohibited?

- A. It is required on all vessels
- B. It may be located in a conspicuous place in the wheelhouse
- C. It may be located at the bilge and ballast pump control station
- D. It may be located in mess room

[2717] A ship that, at any time, operates seaward of the outermost boundary of the territorial sea is required to prepare, submit, and maintain a(n) _____ .

- A. synthetic plastic discharge plan
- B. oil discharge plan
- C. shipboard oil pollution emergency plan
- D. vapor recovery procedures plan

[2718] You intend to tow a barge with one tug and expect continuous high winds from the north. To reduce the yaw of your tow, you should _____ .

- A. reduce the draft of the barge
- B. shorten one leg of the bridle
- C. place bulky deck loads as far aft as possible
- D. trim the barge down by the bow

[2719]The information on _____ is not likely found in The Mariners Handbook (NP100).

- A. IALA Buoyage system
- B. hydrography, topography, navigational aids and their services
- C. basic meteorology and navigation in ice and hazards and restrictions to navigation
- D. information on tides, currents and characteristics of the sea

[2720]You are on watch at sea, at night, when the ordinary seaman reports a fire in number five upper 'tween deck.

Which of the following should NOT be done immediately? .

- A. Sound the general alarm
- B. Secure mechanical cargo hold ventilation
- C. Call for water on deck
- D. Release carbon dioxide into the affected compartment

[2721] _____ is not likely to create a danger of tripping for tug.

- A. Towed sideways by an overwhelming force on the towline
- B. Her tow moves parallel to and forward on either side of the tug
- C. The tow is no longer directly astern but moves up on her quarter
- D. The towing line is too long

[2722] Air gap is the vertical distance between the bottom of the hull and the _____ .

- A. still water level
- B. wave crest
- C. wave crest plus the charted water depth and tidal corrections
- D. wave crest plus the charted water depth and tidal correction and storm surge

[2723] Good seamanship while towing in heavy weather requires all of the following EXCEPT

- A. reducing speed to reduce surging on the towline
- B. lashing down or stowing all loose gear
- C. dogging all hatches and watertight doors
- D. streaming all of your towing hawser

[2724]The "Mode" selector switch on the autopilot steering stand is used to select any of the following with the

EXCEPTION of .

- A. automatic pilot steering B. hand-electric steering
- C. non-follow-up steering D. rudder adjustment

[2725]Coral atolls, or a chain of islands at right angles to the radar beam,may show as a long line rather than as individual targets due to .

- A. the effects of beam width B. limitations on range resolution
- C. the pulse length of the radar D. the multiple-target resolution factor

[2726] Changes to charts and lights (including temporary ones) , radio signals and sailing directions are listed in .

- A. how to keep your admiralty charts Up-to-Date (NP294)
- B. symbols and abbreviations used on admiralty charts, chart 5011
- C. chart correction log (NP133A)
- D. weekly admiralty notices to mariners

[2727] You have the "conn" at the time the helmsman who is steering by hand reports that the rudder is not responding to the wheel. Your FIRST action should be to.

- A. shift the selector switch to the other steering pump
- B. signal the engineroom to stop the engines
- C. call the engineroom
- D. call the master

[2728] After launching, an inflatable raft should be kept dry inside by .

- A. opening the automatic drain plugs B. draining the water pockets
- C. using the electric bilge pump D. using the bailers and cellulose sponge

[2729] On a twin-screw, twin-rudder vessel, the most effective way to turn in your own water, with no way on, is to put .

- A. one engine ahead and one engine astern, with full rudder
- B. one engine ahead and one engine astern, with rudders amidships
- C. both engines ahead, with full rudder
- D. both engines astern, with full rudder

[2730]MSA or Coast Guard approved buoyant work vests .

- A. may be substituted for 10 percent of the required life preservers
- B. should be stowed adjacent to lifeboats and emergency stations
- C. may be used by boat crews and line handlers during lifeboat drills

D. should be used when carrying out duties near a weather deck's edge

[2731] The numeral in the center of a wind rose circle on a pilot chart indicates the .

A. total number of observations B. average wind force on the Beaufort scale

C. average wind force in knots D. percentage of calms

[2732] It is possible, and sometimes necessary, to strengthen the deck of a vessel for carriage of deck cargo by .

A. placing bunker on the deck

B. building a stage on which to place the cargo

C. welding steel feet to the deck, on which the cargo is placed

D. erecting vertical pillars under the deck to support the cargo

[2733] Which one of the followings is incorrect about magnetic compass? .

A. The magnetic compass is compulsory on my vessel

B. The magnetic compass is prone to error

C. The magnetic compass is always placed inside steel constructions

D. The magnetic compass needs to be calibrated to compensate for local magnetic distortion

[2734] _____ is not a step for anchoring preparation.

A. To take off the covers from the hawse pipes and clear the spurling pipes

B. To make sure that the windlass is out of gear and the brakes are on

C. To turn the windlass over slowly

D. To inform the engine room to ensure that deck power and water are off

[2735] _____ is not an item shown in General Arrangement Plan.

A. The details of the general emergency alarm signal

B. The position of dampers

C. Identification numbers of the ventilating fans serving each section

D. The fire-extinguishing appliances

[2736] You are on international waters during a heavy rainstorm and hear a vessel sounding a fog signal of one prolonged

blast followed by two short blasts. Which of the following could it be?

A. A vessel laying submarine cable making way

B. A pilot vessel on station at anchor

C. A disabled ship

D. The give-way ship

[2737] An ocean tow is sinking in deep water. Attempts to sever the towing hawser are unsuccessful. Which action

should now be taken?

- A. Abandon the towing vessel
- B. Radio for emergency assistance
- C. Slip the towline and allow it to run off the drum
- D. Secure all watertight openings on the towing vessel

[2738] A duplicate set of fire control plans or a booklet containing such plans shall be .

- A. permanently stored in a prominently marked weather-tight enclosure outside the deckhouse
- B. kept in the passageways
- C. posted at crew muster stations
- D. shown in the spaces enclosed by A Class divisions

[2739] HIGH WAVES; DENSE STREAKS OF FOAM ALONG THE DIRECTION OF THE WIND; CRESTS OF WAVES BEGIN TO TOPPLE, TUMBLE AND ROLL OVER; SPRAY MAY AFFECT VISIBILITY. This condition is likely to be termed .

- A. strong breeze
- B. near gale
- C. gale
- D. strong gale

[2740] A crew member is unconscious and the face is flushed. You should .

- A. lay the crew member down with the head and shoulders slightly raised
- B. administer a liquid stimulant
- C. lay the crew member down with the head lower than the feet
- D. attempt to stand the crew member upright to restore consciousness

[2741] Which statement is TRUE concerning the gooseneck?

- A. It is a sailing maneuver which brings the vessel's head through the wind
- B. It connects the boom to the mast and allows the boom to swing freely
- C. It is a sailing condition where there is a loss of air flow over the sails
- D. It provides convenience for ship handling

[2742] You are underway in heavy fog. You hear the fog signal of a vessel which is somewhere ahead of your vessel. You must .

- A. slow to moderate speed and navigate with caution
- B. maintain speed and sound the danger signal
- C. stop engines and navigate with caution
- D. slow to bare steerageway and navigate with caution

[2743] The longitudinal distance between the original position where the vessel put the rudder one side and the farthest longitudinal position from the original position defines .

A. maximum advance B. maximum transfer C. tactical diameter D. final diameter

[2744] You are on watch at night in clear visibility and the vessel has just been anchored. The first thing that you should do after the anchor has been let go is to .

- A. stop the engines
- B. turn off the running lights and turn on the anchor lights
- C. take at least two bearings of prominent shore lights
- D. report to shipowners

[2745] is not in a position to be responsible for the control of distress traffic.

- A. The station in distress
- B. The station which relays the distress message
- C. The station which is delegated by the station in distress
- D. The first station which has received the distress message

[2746] A flashing red light displayed at a single lock means that the lock .

- A. is ready to use but vessels must stand clear
- B. is ready to use and vessels may approach
- C. cannot be made ready immediately and vessels shall stand clear
- D. cannot be made ready immediately but vessels may approach

[2747] The margin plate is the .

- A. outboard strake of plating on each side of an innerbottom
- B. outer strake of plating on each side of the main deck of a vessel
- C. plate which sits atop the center vertical keel
- D. uppermost continuous strake of plating on the shell of a vessel

[2748] A fire starting by spontaneous combustion can be expected in which condition?

- A. Paints, varnish, or other liquid flammables are stowed in a dry stores locker
- B. Inert cargoes such as pig iron are loaded in a wet condition
- C. Oily rags are stowed in metal pail
- D. Cargo stowed on deck in heavy weather

[2749] Your vessel has run aground and is touching bottom for the first one-quarter of its length. What is the LEAST desirable method from the standpoint of stability to decrease the bottom pressure?

- A. Discharge forward deck cargo B. Pump out the forepeak tank
- C. Shift deck cargo aft D. Flood an after double-bottom tank

[2750] The consistent winds blowing from the horse latitudes to the doldrums are called the

- A. prevailing westerlies B. polar easterlies
- C. trade winds D. roaring forties

[2751] For a vessel inclined by the wind, multiplying the buoyant force by the horizontal distance between the lines of action of the buoyant and gravity forces gives the_____

- A. righting moment B. vertical moment
- C. longitudinal moment D. transverse moment

[2752] Which one of the followings is not a right way to behave during mooring and unmooring operation?

- A. Stay close to the towline at all time
- B. Beware the bights
- C. When operating the winch/windlass, ensure that you understand the controls
- D. When the tug is being secured or let go, monitor the operation closely

[2753] You are handling a mooring line and are instructed to Check the line. What should you do?

- A. Ensure the bight is not fouled by taking up slack
- B. Pay out the line smartly and keep it free for running
- C. Secure the line by adding more turns
- D. Surge the line so it maintains a strain without parting

[2754] A head on situation shall be deemed to exist at night when a power-driven vessel sees another power-driven vessel ahead and _

- A. one sidelight and the masthead light are visible
- B. the vessels will pass closer than half a mile
- C. both vessels sound one prolonged blast
- D. both sidelights and masthead light(s) are visible

[2755] Floors aboard ship are .

- A. also called decks
- B. vertical transverse plates connecting the vertical keel with the margin plates
- C. large beams fitted in various parts of the vessel for additional strength
- D. found in passenger and berthing spaces only

[2756] If the CPA and TCPA controls are set to 0.5 n mile and 30 m respectively and a target which is being tracked will come to a CPA of 0.5 n mile in 30 m, then the alarm will be activated.

- A. less than/less than C. more than/more than B. equal to/equal to D. equal to/less than

[2757] A vessel has an amidships superstructure. Which location would be most suitable for on-deck stowage of automobiles?

- A. On top of No. 1 hatch
- B. Beside the hatches, forward of the midships house
- C. On top of the hatch immediately forward of the midships house
- D. On top of the hatch immediately aft of the midships house

[2758] A predictable result of a vessel nearing a bank or edge of a channel is that the .

- A. stern is drawn to the bank as the bow sheers off
- B. bow sheers toward the bank
- C. vessel continues in a straight line, but with greatly reduced maneuverability
- D. vessel will be drawn bodily into the bank unless the engines are stopped

[2759] In many areas atoll clouds (clouds of vertical development) are produced over small islands. These are the result of ____

- A. rising air currents produced by the warm islands
- B. warm air from the sea rising over higher land areas
- C. cool land air mixing with warm sea air
- D. descending air over the islands

[2760] The single turn method of returning to a man overboard should be used ONLY if .

- A. the man is reported missing rather than immediately seen as he falls overboard
- B. the vessel is very maneuverable
- C. the conning officer is inexperienced
- D. a boat will be used to recover the man

[2761] You hear on the radiotelephone the word "Securite" spoken three times. This indicates that

- A. a message about the safety of navigation will follow?
- B. a message of an urgent nature about the safety of a ship will follow
- C. the sender is in distress and requests immediate assistance
- D. you should secure your radiotelephone

[2762] You are approaching a pier and intend to use the port anchor to assist in docking port side to. You would NOT use the anchor if .

- A. the current was setting you on the pier
- B. another vessel is berthed ahead of your position

C. the wind was blowing from the starboard side

D. there is shallow water enroute to the berth

[2763] Considering the general circulation of the atmosphere, the wind system between latitudes

30° N and 60° N is commonly called the .

A. prevailing westerlies B. horse latitudes

C. trade winds D. subpolar low pressure belts

[2764] Aboard a vessel, multiplying a load' s weight by the distance of the load' s center of gravity from the centerline results in the load' s_____

A.TCG B. transverse moment C. righting moment D. transverse free surface moment

[2765] A vessel engaged in replenishment or transferring persons, provisions or cargo while under way can be regarded as .

A. a vessel restricted in her ability to maneuver

B. a vessel engaged in laying, serving or picking up a navigation mark, submarine cable or pipe?line

C. a vessel not under command

D. a power-driven vessel

[2766]Mooring lines should be turned end-for-end occasionally. This is because .

A. a line is weakened by constantly pulling on it in one direction

B. normal wear on the line is thus distributed to different areas

C. it prevents the line from kinking or unlaying

D. it prevents permanent misalignment of the line' s internal strands

[2767]The average time between two high waters is 12 hours and 25 minutes because this is the time it takes for .

A. the sun to be at the opposite side of the moon

B. the moon to be at the opposite side of the earth

C. the moon to be at its apogee

D. the sun and the moon to be on the same side

[2768] Making water rapidly in all holds, all passengers and crew were ordered on deck and all boats were lowered to rail.

A. in life jackets B. with life jackets

C. with life jackets on D. putting on life jackets

[2769] is a type of fog occurring close to the sea surface when the air is dry and cold-probably at least 9t below the sea surface temperature.

A. MIXING FOG B. ADVECTION FOG C. RADIATION FOG D. ARCTIC SEA SMOKE

[2770] You are on watch aboard a vessel heading NW, with the wind from dead ahead, in heavy seas. You notice a man fall overboard from the starboard bow. Which action would NOT be appropriate?

- A. Hard right rudder
- B. Throw a lifebuoy to the man, if possible
- C. Send a man aloft
- D. Get the port boat ready

[2771] Which vessel is NOT to be regarded as restricted in her ability to maneuver?

- A. A vessel transferring provisions while underway
- B. A pushing vessel and a vessel being pushed when connected in a composite unit
- C. A vessel servicing a navigation mark
- D. A vessel launching aircraft

[2772] The most effective treatment for warming a crew member suffering from hypothermia is ___

- A. running or jumping to increase circulation
- B. raising body temperature rapidly by placing hands and feet in hot water
- C. bundling the body in blankets to rewarm gradually
- D. laying prone under heat lamps to rewarm rapidly

[2773] The discharge of ballast water or sediment into the waters of port States may result in the establishment of harmful aquatic organisms and pathogens which may pose to indigenous human, animal and plant life, and the marine environment.

- A. threats
- B. threaten
- C. threatening
- D. threatens

[2774] ,it is important to keep a continuous listening watch on the appropriate radiotelephone frequency and to keep a proper look-out for sound and visual signals.

- A. When assisting by an ice-breaker
- B. When being assisted by an ice-breaker
- C. When having assisted by an ice-breaker
- D. When being assist by an ice-breaker

[2775] The navigable semicircle of a typhoon in the Southern Hemisphere is the area .

- A. behind the typhoon, measured from 90° to 180° from each side of the storm's track
- B. to the right of the storm's track
- C. ahead of the typhoon, measured from the storm's track to 90° on each side
- D. measured from due south, counterclockwise 180°

[2776] Which of the following is (are) correct regarding current?

- A. A head current aids in speeding up a vessel
- B. A following current enables the ship to proceed at a good speed over the ground with very little speed on the

engines

- C. A port-side current makes the ship move to leeward
- D. A starboard-side current makes the ship move to wayward

[2777] If a hydraulic pump on a winch accidentally stops while hoisting, the load will stay suspended because

- A. a check valve will close that prevents reverse circulation
- B. a centrifugal counterweight counteracts the force of gravity
- C. the electric pump motor will cut out
- D. the control lever will move to the stop position

[2778] You are monitoring VHF Channel 16 when you receive a call to your vessel, TEXAS PRIDE. What is the proper way to answer this call?

- A. This is TEXAS PRIDE. Pick a channel
- B. This is TEXAS PRIDE on Channel 16. Come back
- C. This is TEXAS PRIDE, WSR 1234, reply Channel 10
- D. Please stand by. We're busy right now

[2779] After being launched from a vessel, totally enclosed survival craft which have been afloat over a long period require

- A. frequent opening of hatches to permit entry of fresh air
- B. regular checks of bilge levels
- C. use of ear plugs to dampen engine noise
- D. frequent flushing of the water spray system with fresh water

[2780] Existing crude oil tankers may, being provided with segregated ballast tanks or operating with a cargo tank cleaning procedure using crude oil washing, operate with dedicated clean ballast tanks in accordance with the specified provision of the Regulation.

- A. as per
- B. in the consequence of
- C. in accordance with
- D. in lieu of

[2781] You are proceeding at a slow speed with your starboard side near the right bank of a channel. If your vessel suddenly sheers toward the opposite bank, the best maneuver would be

- A. full ahead, hard left rudder
- B. full ahead, hard right rudder
- C. full astern, hard left rudder
- D. full astern, hard right rudder

[2782] In passage planning, "wheel-over" position means

- A. the position where the ship should turn

- B. the position where the ship should reduce her speed
- C. the "position where the ship should apply hard port/starboard for course alteration
- D. the position where the ship should apply rudder for course alteration

[2783] In the Northern Hemisphere the major ocean currents tend to flow .

- A. clockwise around the North Atlantic and North Pacific Oceans
- B. clockwise or counterclockwise depending on whether it is warm or cold current
- C. counterclockwise except in the Gulf Stream
- D. counterclockwise around the North Atlantic and North Pacific Oceans

[2784] In launching a lifeboat, when should the tricing pendants be released?

- A. Before the boat is lowered from the stowage position
- B. As soon as the boat-fall blocks clear the davit head
- C. After the limit switch is activated
- D. After all people have been embarked

[2785] An airplane wants a vessel to change course and proceed towards a vessel in distress. The actions of the aircraft to convey this message will NOT include .

- A. circling the vessel at least once
- B. heading in the direction of the distress location
- C. flashing the navigation lights on and off
- D. crossing ahead and rocking the wings

[2786] While providing assistance to a victim of an epileptic seizure, it is most important to

- A. give artificial respiration
- B. prevent patient from hurting himself
- C. keep the patient awake and make him/her walk if necessary to keep him/her awake
- D. remove any soiled clothing and put the patient in a clean bed

[2787] Your power-driven vessel is underway when you sight a sailing vessel on your port bow. Which vessel is the stand-on vessel?

- A. The sailboat, because it is to port of your vessel
- B. The sailboat, because it is under sail
- C. Your vessel, because it is a power-driven vessel
- D. Your vessel, because it is to starboard of the sailboat

[2788] You should conduct a sector search under which of the following circumstances?

- A. The search target is sighted and then lost
- B. More than one vessel is available for a search
- C. The search object is a target that will be readily detected by radar
- D. An aircraft is available to assist a surface vessel

[2789] You have another ship overtaking you close aboard to starboard. You have 3 radar targets bearing 090° relative at ranges of 0.5 mile, 1 mile, and 1.5 miles. In this case, the unwanted echoes are called ____

- A. multiple echoes
- B. spoking
- C. indirect echoes
- D. side-lobe echoes

[2790] _____ consists of a flow chart which shows what actions should be taken, based on the situation and symptoms, when a person has been exposed to dangerous goods of some kind.

- A. MFAG
- B. EMS
- C. IMDG
- D. BC

[2791] OWING TROPICAL STORM-BANYAN CROSSING OUR/COURSE PLS PERMIT SHELTER?ING KAGOSHIMA KAIWAN. This cable indicates that.

- A. she requested shelter permission
- B. she intended to berth at port of KAGOSHIMA
- C. she intended to change her course
- D. she was reporting to the port that a tropical storm is coming

[2792] A tropical storm is building strength some distance from your ship. Waves are coming from the east, with periods increasing from 5 seconds to 15 seconds. The swell is from the east. Where was the storm when these new swells were generated?

- A. To the north of you
- B. To the south of you
- C. To the east of you
- D. To the west of you

[2793] Which is true concerning the speed of fronts?

- A. Cold fronts move faster than warm fronts
- B. Cold fronts move more slowly than warm fronts
- C. Cold fronts and warm fronts move with equal speed
- D. Cold fronts move more slowly at the northern end, thus allowing the warm front to overtake the northern section

[2794] While you are on watch entering port, the Master gives the helmsman a rudder command which conflicts with a rudder command from the Pilot. You should make sure the helmsman

- A. obeys the Pilot
- B. obeys the Master
- C. asks you for instructions

D. brings the rudder to a point midway between the two conflicting positions

[2795] You should be most concerned about a possible explosion or fire in fuel tanks .

- A. during fueling when the fuel first strikes the tank bottom
- B. during fueling when the fuel strikes fuel already in the tank
- C. when underway as the fuel is moved by wave action
- D. shortly after fueling when fuel vapors gather

[2796] Which statement is TRUE concerning fuel vapors on a vessel?

- A. Fuel vapors gather in the lowest portions of the vessel
- B. Fuel vapors can only be ignited by an open flame
- C. Vent outlets should be located above the level of the carburetor air intake
- D. It will be flammable only when too lean

[2797] How should signal flares be used after you have abandoned ship and are adrift in a liferaft?

- A. Immediately use all the signals at once
- B. Use all the signals during the first night
- C. Employ a signal every hour after abandoning ship until they are gone
- D. Use them only when you are aware of a ship or plane in the area

[2798] You are making a sharp turn in a channel and using a buoy four points on the bow to gauge your rate of turn. If you observe the buoy moving aft relative to you, what should you do? _____

- A. Increase the rate of turn
- B. Decrease the rate of turn
- C. Maintain a constant rate of turn
- D. Decrease speed

[2799] Which action must be taken when an individual cargo tank is closed off from the inert gas system by the tank isolation valve? .

- A. The tank must be gas freed
- B. The tank must be ballasted
- C. The tank must be vented to the atmosphere
- D. The bypass valve must also be closed

[2800] Intact buoyancy is a term used to describe .

- A. the volume of all intact spaces above the waterline
- B. an intact space below the surface of a flooded area
- C. an intact space which can be flooded without causing a ship to sink
- D. the space at which all the vertical upward forces of buoyancy are considered to be concentrated

[2801]A power-driven vessel pushing ahead or towing alongside displays navigation lights and

- A. two all-round red lights in a vertical line
- B. two yellow towing lights in a vertical line
- C. two white masthead lights in a vertical line
- D. two lights on the stern, one yellow and one white

[2802]The 10-cm radar as compared to a 3-cm radar of similar specifications will .

- A. be more suitable for river and harbor navigation
- B. provide better range performance on low lying targets during good weather and calm seas
- C. have a wider horizontal beam width
- D. have more sea return during rough sea conditions

[2803] You are standing the wheelwatch on entering pen and the Master gives you a rudder command which conflicts with a rudder command from the Pilot. What should you do?

- A. Obey the Master
- B. Obey the Pilot
- C. Bring the rudder to a position midway between the two conflicting orders
- D. Ask the Pilot if he relinquishes control

[2804]When steering a tow downstream around the shape of a sand bar, and staying on the proper side of the buoys, an operator should be cautious of

- A. eddies under the bar
- B. swift current under the bar causing loss of control
- C. cross-currents pushing the tow away from the bar
- D. cross-currents pushing the tow into the bar

[2805]You are proceeding to a distress site. The survivors are in liferafts. What will make your ship more visible to the survivors?

- A. Steering a sinuous course
- B. Steering a zig-zag course
- C. Turning on all available deck lights at night
- D. Dumping debris over the side to make a trail to your vessel

[2806] In order to minimize the effects of a tender vessel, when carrying a cargo of lumber, you should_____

- A. maximize your deck load
- B. distribute lumber so that those stowing most compactly per unit of weight are in the upper holds

- C. place the heaviest woods in the lower holds
- D. keep the vessel's frame spaces free from lumber

[2807] If not attached to the nozzle, each low-velocity spray applicator on a vessel must be stowed

- A. in a protected area on the main deck
- B. inside a machinery space near the entrance
- C. next to the fire hydrant to which the fire hose is attached
- D. on a rack inside the quarters near the entrance

[2808] You are underway and approaching a bend in the channel where vessels approaching from the opposite direction cannot be seen. You should sound .

- A. one blast, 4 to 6 seconds in duration
- B. three blasts, 4 to 6 seconds in duration
- C. one continuous blast until you are able to see around the bend
- D. one blast, 8 to 10 seconds in duration

[2809] A sufficient amount of chain must be veered when anchoring a vessel to ensure .

- A. the vessel has enough room to swing while at anchor
- B. the anchor flukes bite into the ocean bottom
- C. there is a sufficient scope of chain to keep the anchor on the bottom
- D. there is more chain out than there is in the chain locker

[2810] _____ is not one of the items contained in Survey Report File carried on board.

- A. Reports of structural surveys
- B. Condition evaluation reports (translated into English and endorsed by the flag State Administration)
- C. Thickness measurement reports and a survey planning document
- D. List of unauthorized repairs

[2811] Which of the following would be of immediate concern after discovering a large fire in the ship's galley?

- A. An adjacent storeroom, containing spare parts
- B. A storeroom directly above, containing combustible fluids
- C. An adjacent storeroom, containing mattresses and linen
- D. An adjacent storeroom, marked "Stewards Stores"

[2812] _____ is not the function of the catenary.

- A. Acting as a reserve length of towing hawser when the tug applies more power, and it dampens the surge effect of the

tow

- B. Giving an approximation of the amount of strain on the towing hawser
- C. Being the dip in the towing hawser between the tug and the tow
- D. Providing a stable towing hawser

[2813]The tanker has in operation, except as provided for in Regulation 15(5) and (6) of Annex A of MARPOL 73/78, an oil discharge monitoring and control system and _____ as required.

- A. an IGS B. a scribe C. a P/V D. a slop tank arrangement

[2814]If your urine makes the snow dark yellow, you are becoming _____.

- A. constipated B. dehydrated C. frostbitten D. cold diuresis

[2815] _____ gives listings of all lighthouses, lightships, lit floating marks (over 8m in height), fog signals and lights of navigational significance.

- A. Ocean Passages for the World (NP136)
- B. Admiralty List of Radio Signals
- C. IALA Maritime Buoyage System (NP735)
- D. Admiralty List of Lights and Fog Signals

[2816]In relation to the turning circle of a ship, the term TRANSFER means the distance

- A. gained at right angles to the original course
- B. gained in the direction of the original course
- C. moved sidewise from the original course when the rudder is first put over
- D. around the circumference of the turning circle

[2817]Which method is used to detect rot in manila lines?

- A. Feeling the surface of the line for broken fibers
- B. Measuring the reduction in circumference of the line
- C. Observing for the appearance of mildew on the outer surface
- D. Opening the strands and examining the inner fibers

[2818]You are approaching a bend in a channel. You cannot see around the bend because of the height of the bank. You should _____.

- A. stop engines and navigate with caution
- B. stay in the middle of the channel
- C. sound passing signals to any other vessel that may be on the other side of the bend
- D. sound a whistle blast of 4 to 6 seconds duration

[2819]If a firefighting situation calls for low-velocity fog you would _____.

- A. order the engine room to reduce pressure on the fire pump

- B. put the lever on an all-purpose fire nozzle all the way forward
- C. attach a low-velocity fog applicator with the nozzle shut down
- D. put the lever on an all-purpose fire nozzle all the way back

[2820] A vessel using a traffic separation scheme shall .

- A. only anchor in the separation zone
- B. cross a traffic lane at as small an angle as possible
- C. avoid anchoring in areas near the termination of the scheme
- D. utilize the separation zone for navigating through the scheme if she is impeding other traffic due to her slower speed

[2821] Prior to entering a davit-launched liferaft, you should make sure that .

- A. the liferaft is well ventilated of excess carbon dioxide
- B. all personnel have removed their life preservers to facilitate boarding
- C. the door flap has been cut away and stowed inside the raft
- D. the ship is on even keel

[2822] A swift current occurring in a narrow passage connecting two large bodies of water which is produced by the continuously changing difference in height of tide at the two ends of the passage is called a(n) _____

- A. hydraulic current
- B. rectilinear current
- C. rotary current
- D. harmonic current

[2823] What are symptom(s) of a ruptured appendix?

- A. Dilated pupils and shallow breathing
- B. Diarrhea and frequent urination
- C. Muscle tenseness in almost the entire abdomen
- D. Extreme sweating and reddening skin

[2824] On a vessel, if someone fell overboard and you did not know over which side the person fell, you should ____

- A. immediately reverse the engines
- B. stop the propellers from turning and throw a ring buoy over the side
- C. increase speed to full to get the vessel away from the person
- D. first put the rudder hard over in either direction

[2825] When towing alongside (breasted tow) ,more forward movement will be imparted to the tow by ____

- A. increasing the angle of line pull to the keel axis of the tow
- B. reducing the angle of line pull to the keel axis of the tow
- C. positioning the towing vessel on the forward end of the tow
- D. shortening the length of the tow line

[2826] According to the " Vessel Bridge-to-Bridge Radiotelephone Act" , your radiotelephone log must contain_____

- A. a record of all routine calls
- B. a record of your transmissions only
- C. the home address of the vessel's Master or owner
- D. a summary of all distress calls and messages

[2827] A crew member is having an epileptic convulsion. You should .

- A. give the victim artificial respiration
- B. completely restrain the victim
- C. give the victim one 30-mg tablet of Phenobarbital
- D. keep the victim from injuring him or herself

[2828] Under which condition is a tug likely to be tripped? .

- A. When the tow "jumps" on the line
- B. While making up to tow a large oil rig
- C. When the towing hawser leads forward of the quarter
- D. When the tug exerts maximum bollard pull with the tow close astern

[2829] You notice smoke coming from an open laundry room doorway. After activating the fire alarm, which of the following would you do FIRST?

- A. Attempt to determine what is burning
- B. Acquire the nearest self contained breathing apparatus
- C. Break out the nearest fire hose
- D. Wait for the fire team to arrive and assist as directed

[2830] A single vertical magnet placed underneath the compass in the binnacle is used to compensate for_____ .

- A. the horizontal component of the permanent magnetism
- B. deviation caused by the vessel's inclination from the vertical
- C. induced magnetism in the horizontal soft iron
- D. induced magnetism in the vertical soft iron

[2831] A vessel is equipped with twin propellers, both turning outboard with the engines half ahead. If there is no wind or current and the rudders are amidships, what will happen?_____

- A. The bow will swing to starboard
- B. The bow will swing to port
- C. The vessel will steer a zigzag course
- D. The vessel will steer a fairly straight course

[2832] With rudders amidships and negligible wind, a twin-screw vessel moving forward with one engine ahead and the

other backing will .

- A. move in a straight line
- B. turn in a direction away from the engine moving ahead
- C. turn in a direction toward the engine moving ahead
- D. move sideways through the water

[2833]Your vessel is crossing a narrow channel. A vessel to port is within the channel and crossing your course. She is showing a black cylinder. What is your responsibility?

- A. Hold your course and speed
- B. Sound the danger signal
- C. Begin an exchange of passing signals
- D. Do not cross the channel if you might impede the other vessel

[2834]You are in the process of adding a barge to your tow. A line run from your power capstan and around timber heads on your tow is made fast on the new barge so that it can be pulled into position. This line is called a .

- A. scissors wire
- B. capstan line
- C. spring line
- D. fore and aft line

[2835]You are landing a single-screw vessel with a left-handed propeller, starboard side to the dock. As you approach the dock you back your engine with your rudder amidships. You would expect the vessel to .

- A. lose headway without swinging
- B. turn its bow towards the dock
- C. turn its stern towards the dock
- D. drift away from the dock

[2836] You are planning to anchor in an area where several anchors have been lost due to fouling.

As a precaution, you should .

- A. anchor using both anchors
- B. anchor with scope of 8 or more to 1
- C. use a stern anchor
- D. fit a crown strap and work wire to the anchor

[2837] You are approaching another vessel and will pass starboard to starboard without danger if no course changes are made. You should .

- A. hold course and sound a two blast whistle signal
- B. hold course and sound no whistle signal
- C. change course to the right and sound one blast
- D. hold course and sound two prolonged and two short blasts

[2838]In order to insure that the racon signal is visible on your 3 cm radar, the

- A. 10 cm radar should be placed on standby or turned off
- B. gain control should be turned to maximum

C. radar should be stabilized, head up

D. rain clutter control should be off but, if necessary, may be on low

[2839] How can a SART's effective range be maximized? .

A. The SART should be placed in water immediately upon activation

B. The SART should be held as high as possible

C. Switch the SART into the "high" power position

D. If possible, the SART should be mounted horizontally so that its signal matches that of the searching radar signal

[2840] The lateral distance between the original position where the vessel put the rudder one side and the farther lateral position where the vessel drifts away from the center of turning during the early stage of the turning defines _____

A. kick B. reach C. transfer D. advance

[2841] My ship's engine responds well to telegraph orders and takes about 80 seconds to reverse from full speed ahead to full speed astern. This sentence

A. indicates the engine's particulars B. tells the engine's function

C. shows the engine's type D. refers to the engine's information

[2842] A bridle for an ocean tow consists of .

A. two chains of equal length

B. a single nylon pendant rove through a heavy ring free to move on the pendant

C. two long legs of wire rope shackled to a fishplate

D. a single length of heavy chain with both ends secured on deck to welded pad eyes

[2843] Owing to the greater girth of a ship amidships than at the ends, certain strakes are dropped as they approach the bow and stem to reduce the amount of plating at the ends. These strakes are called _____

A. drop strakes

B. stealers

C. throughs

D. voids

[2844] Your vessel is taking on cargo oil when a small leak develops in the hose. You order the pumping stopped. Before you resume pumping, you should .

A. notify the terminal superintendent

B. place a large drip pan under the leak and plug the scuppers

C. repair the hose with a patch

D. replace the hose

[2845] If the PSCO from general impressions or observations on board has _____ for believing that the ship, its equipment or its crew do not substantially meet the requirements, the PSCO should proceed to a more detailed inspection.

A. clean report

B. serious deficiencies

C. clear ground

D. detention report

[2846] If you are fighting a fire below the main deck of your vessel, which action is most important concerning the stability of the vessel? .

- A. Shutting off electricity to damaged cables
- B. Pumping fire-fighting water overboard
- C. Maneuvering the vessel so the fire is on the lee side
- D. Removing burned debris from the cargo hold

[2847] When entry into port is denied or the ship is expelled from port, the authorities of the port State should communicate the appropriate _____ to the authorities of the State of the next appropriate ports of call, when known, and any other appropriate coastal States.

- A. proceedings
- B. evidences
- C. things
- D. facts

[2848] While taking on fuel oil from an offshore supply vessel, the transfer hose leaks, causing a sheen in the water. You should _____

- A. continue transfer operations
- B. repair the leak with duct tape
- C. reduce the rate of transfer
- D. immediately shut down operations

[2849] A vessel entering the eye of a hurricane should expect all of following except _____ .

- A. moderating winds and heavy confused seas to strike his vessel from all directions
- B. the winds to increase to hurricane force and strike from a different direction as the eye passes
- C. the barometer to reach the lowest point
- D. the highest winds and sea

[2850] A vessel aground may have negative GM since the _____ .

- A. decrease in KM is equal to the loss of draft
- B. virtual rise of G is directly proportional to the remaining draft
- C. lost buoyancy method is used to calculate KM, and KB is reduced
- D. displacement lost acts at the point where the ship is aground

[2851] A rescuer can most easily determine whether or not an adult victim has a pulse by checking the pulse at the _____ .

- A. carotid artery in the neck
- B. femoral artery in the groin
- C. brachial artery in the arm
- D. radial artery in the wrist

[2852] Which statement is TRUE with respect to shiphandling procedures in ice? _____ .

- A. Never go full astern at any time while in ice
- B. Go astern in ice with extreme care - always with rudder amidships

C. Enter ice at medium speeds to reduce impact

D. The presence of a snow cover on the ice assists a vessel's progress through an ice field

[2853] All of the following constitute special circumstances EXCEPT .

A. three vessels meeting so as to cross each other's course

B. a vessel meeting a vessel that is backing out of a slip

C. an overtaking situation that has reached in extremis

D. a vessel fishing with nets meeting a sailing vessel

[2854] It is not necessary to declare in MARITIME HEALTH DECLARATION.

A. severe diarrhoea with symptoms of collapse

B. acute skin rash or eruption with or without fever

C. jaundice by fever

D. duodenitis

[2855] What is the use of the books of Admiralty List of Lights and Fog Signals? Their use is to

A. mention signal stations and ice, storm, traffic and port signals

B. give the international numbers of lights

C. give the correction of the lights and fog signals

D. give the information on the lights and fog signals

[2856] When loading bulk liquid cargo, what is the first action you should take if a cargo valve jammed open? .

A. Call the owner, operator, or terminal supervisor

B. Unplug the deck scuppers

C. Order the dock man to shut down

D. Run out the vessel's or terminal's fire hose

[2857] Reid vapor pressure is .

A. exerted by liquid cargo on the sides of a tank

B. exerted by liquid cargo on a cargo hose body

C. the lowest temperature and pressure that will cause a flammable liquid to give off vapors

D. a measurement of the amount of flammable vapors given off by a liquid at a certain temperature

[2858] Which statement is TRUE concerning the application of foam on an oil fire? .

A. It cools the surface of the liquid

B. It gives protection to fire fighting personnel against the heat of the fire

C. It forms a smothering blanket on the surface of the oil

D. It should be used at the same time a solid stream of water is being applied

[2859] Which one of the following rules is not regarding two power-driven vessels meeting end or nearly end on so as to involve risk of collision? .

- A. Each shall keep her course and speed
- B. Each shall alter her course to starboard
- C. Each shall pass on the portside to the other
- D. Each shall indicate such action by one short blast on the whistle

[2860] When hugging a bank in a narrow channel, you do not have to take precautions against

- A. bank suction, squat and the effects of vessels passing close aboard
- B. clogged sea chests, plugged sea strainers and overheated machinery
- C. striking underwater obstructions close to the bank
- D. pitching and rolling

[2861] is the active or emergency response to fires aboard ships or fires associated with waterborne vessels.

- A. Marine firefighting
- B. General arrangement plan
- C. Muster list
- D. Description of the duties assigned to crew members to carry out in relation to passengers during an emergency

[2862] A combustible gas indicator meter is calibrated to read the percentage of .

- A. vapor to oxygen B. the flammable limit concentration
- C. the autoignition concentration D. the lower explosive limit concentration

[2863] is the process by which the position of the vessel at any moment is found by applying the last well-determined position to the run that has been made since, using for this purpose the ship' s course and the distance being those indicated by log.

- A. Dead reckoning B. Dead weight C. Dead slow ahead D. Dead slow astern

[2864] is not a requirement for the steps of the pilot ladder.

- A. Of softwood, or other material of equivalent properties, made in one piece free of knots, having an efficient non-slip surface
- B. Not less than 480 x 115 x25 mm
- C. Equally spaced not less than 300 mm nor more than 380 mm apart
- D. Secured in such a manner that they will remain horizontal

[2865] You are under sail and overtaking a tug and tow. Which action is correct?

- B. The power-driven tug must maneuver to avoid collision
- C. You must maneuver to avoid the tug and tow
- D. You must maneuver to avoid collision only if the tug is to leeward and the wind is on your port side
- D. Both vessels are required to maneuver to avoid collision

[2866] A stand-on vessel in a crossing situation is allowed to take action when .

- A. on a collision course
- B. the vessels will pass within one mile
- C. it becomes apparent to her that the give-way vessel is not taking appropriate action
- D. the relative speed of the vessels indicates collision in less than six minutes

[2867] Weekly NMS are available without subscription from appointed .

- A. admiralty Distributors
- B. admiralty Publication House
- C. united Kingdom Hydrographic Office (UKHO)
- D. UK Maritime & Coastguard Agency (MCA)

[2868] If in doubt of the ship's position, you shall .

- A. keep a constant check of the ship's magnetic compass
- B. check the Robertson/Simrad Navigation System
- C. make regular checks of Auto Pilot, Auto Position, Auto Head Joystick, etc.
- D. reduce speed or stop, if necessary, and call the Master immediately

[2869] AS SOON AS I HAVE FURTHER INFORMATION I WILL MAKE ANOTHER ANNOUNCEMENT. I ASK YOU KINDLY TO REMAIN CALM. THERE IS NO DANGER AT THIS TIME. These words are likely from _____

- A. the captain of a vessel in distress
- B. representative of ship owners
- C. an officer from port authorities
- D. the pilot of a vessel entering a port in foreign country

[2870] On the pole side of the trade wind belt, there is an area of high pressure with weak pressure gradients and light, variable winds. This area is called the .

- A. prevailing westerlies B. geostrophic winds
- C. doldrums D. horse latitudes

[2871] While loading a cargo of grain, your vessel develops a list to starboard. This will be corrected by _____

- A. the compensating tanks on the high side
- B. the man changing the discharge location of the chutes
- C. allowing the grain to level itself as the hold fills to the spar deck level
- D. trimming the final loading cone by hand

[2872] Certain dangerous goods are required "to be stowed in a mechanically ventilated space". When such goods are carried in a closed Ro/Ro cargo space or a special category space, this space should _____

- A. be mechanically operated
- B. be temperature controlled
- C. be mechanically ventilated
- D. not allow to run its refrigeration or heating equipment

[2873] Which of the following is a correct definition of in extremis?

- A. When collision cannot be avoided by action of the giving way vessel alone
- B. When the compass bearing of one vessel from the other does not appreciably change
- C. When collision has become unavoidable by an action of the vessels involved
- D. There is no precise definition

[2874] Regarding the use of GPS, which one of the followings is incorrect?.

- A. GPS is the most accurate global system today
- B. Its use is still under the control of U. S. Department of Defence
- C. DGPS is more accurate than GPS
- D. GPS can provide a real-time position under any condition

[2875] You have hand launched an inflatable liferaft. What should be one of your FIRST actions after all persons have boarded the liferaft?

- A. Open the equipment pack
- B. Inflate the liferaft floor
- C. Decide on food and water rations
- D. Cut the sea painter and clear the vessel

[2876] There are two areas off the N coast of France, which remain dangerous because of _____.

- A. the density of vessel traffic on passage through the strait
- B. the fact that the passage through the strait is constricted by a series of narrow banks, running NE-SW
- C. mines laid in the war of 1939 ~ 1945
- D. the strong tidal streams in the strait

[2877] A 2,000 GT tanker is required to carry _____.

- A. emergency outfits only on an international voyage

B. one oxygen breathing apparatus with enough lifeline to reach from the open deck to any part of the tanks

C. two self-contained breathing apparatus

D. two canister type gas masks if such vessel is authorized to carry grade A, B, C or D liquids

[2878] A solution to overcome tripping defects is an arrangement of special plates on either side of the flukes, designed to set them in the correct tripping position. These special plates are called

A. trippers B. stocks C. stabilizers D. palms

[2879] In all cases, however, the capacity of segregated ballast tanks shall be such that, in any ballast condition at any part of the voyage, including the conditions consisting of lightweight plus segregated ballast only, the ship's draughts and trim can meet the necessary requirements.

A. at least B. at most C. so big as D. as large as

[2880] You are aboard a single-screw vessel with a right-handed propeller. The vessel is dead in the water and the rudder is amidships. If you reverse your engine you would expect your vessel to

A. kick its stem to port B. kick its stem to starboard

C. move astern without swinging D. swing its stern to starboard, then to port

[2881] A vessel which through some exceptional circumstance is unable to maneuver as required by these Rules and is therefore unable to keep out of the way of another vessel is called .

A. a vessel restricted in her ability to maneuver

B. a vessel not under command

C. a vessel engaged in fishing

D. a vessel constrained by her draught

[2882] Before a magnetic compass is adjusted certain correctors must be checked to ensure that they are free of permanent magnetism. These correctors are the .

A. fore-and-aft and athwartships magnets

B. dip needle and heeling magnet

C. heeling magnet and Flinders bar

D. flinders bar and quadrantal spheres

[2883] The dead reckoning position has all of the following characters except .

A. it should only be adjusted after a confirmed Fix

B. it is very important in emergency

C. it is always available in some form

D. in a long voyage, only dead reckoning will successfully make you arrive at your destination

[2884] The error in the measurement of the altitude of a celestial body, caused by refraction, increases as the .

A. horizontal parallax decreases

B. observer's height above sea level increases

C. humidity of the atmosphere decreases D. altitude of the body decreases

[2885] A combustible gas indicator will NOT operate correctly when the

- A. hydrocarbon content of the atmosphere exceeds the UEL
- B. atmosphere is deficient in oxygen
- C. distance between the operator and the compartment to be tested is greater than 50 feet
- D. the instrument is properly maintained

[2886] Your radar indicates a target; however, there is no visible object at the point indicated. A large mountain, approximately 50 miles away on the same bearing as the target, is breaking the horizon. You should suspect the radar target is caused by

- A. a submerged submarine B. ducting C. sub-refraction D. ionospheric skip waves

[2887] An inert gas system installed on a tanker is designed to .

- A. aid in the stripping and cleaning of cargo tanks
- B. increase the rate of discharge of cargo
- C. force toxic and explosive fumes from a cargo tank to vent to the outside atmosphere
- D. lower the oxygen levels inside cargo tanks, making explosion nearly impossible

[2888] _____ contains procedures for the actions that can be taken if there is a fire or spill of dangerous goods.

- A. STCW B. EMS C. CSS D. PSCO

[2889] Before welding can be done in a tank that has carried petroleum products, a certificate must be obtained from

- A. the customs B. the register bureau of shipping
- C. the shipyard fire department D. a certified gas chemist

[2890] _____ is not covered by NAVAREA Warnings.

- A. The information which ocean-going mariners require for their safe navigation
- B. Failure to important aids to navigation
- C. The information which may require changes to planned navigational routes
- D. The information which is required to maintain safe navigation within inshore waters

[2891] A cabinet or space containing the controls or valves for the fixed firefighting system must be

- A. posted with instructions on the operation of the system
- B. ventilated and equipped with explosion-proof switches
- C. painted with red and black diagonal stripes
- D. equipped with a battery powered source of emergency lighting

[2892] You see a vessel displaying three lights in a vertical line. The highest and lowest lights are red and the middle light is white. She is also showing a white light at the stern, which is lower than the forward light. It could be a _____

- A. survey vessel
- B. vessel not under command
- C. vessel aground
- D. pilot vessel with port side to you

[2893] A synthetic mooring line is being heaved on a capstan. There is moderate strain on the line. The line begins to slip. Which of the following should be done?

- A. Stop the capstan and take extra turns
- B. Stop the ship
- C. Use more power
- D. Have more than one seaman keep a substantial strain on the line and continue heaving easy

[2894] How should the lifeboat sea painter be rigged?

- A. Spliced into the ring on the stem post
- B. Secured by a toggle around the outboard side of a forward thwart
- C. Secured to the inboard side of a forward thwart and led inboard of the falls
- D. Secured by a toggle to the stem post and led outboard of the falls

[2895] You need to make a fixed loop at the end of a line in order to use the line as a mooring line. You have insufficient time to make a splice. Which knot should you use? _____

- A. Clove Hitch
- B. Fisherman's Bend
- C. Bowline
- D. Round-turn and two half hitches

[2896] An inert gas system is designed to reduce the possibility of tank explosions by _____.

- A. eliminating sparks and fire in the vicinity of cargo tanks
- B. removing all hydrocarbon gases from the cargo tanks
- C. blanketing cargo tanks with inert foam
- D. reducing the oxygen concentration below levels necessary for combustion

[2897] A towboat has the same draft as the barges it is pushing ahead. If the distance from the stem of the towboat to the head of the tow is 260m, where is the approximate location of the pivot point of the unit? _____

- A. At the head of the tow
- B. 75 m from the head of the tow
- C. 120 m from the head of the tow
- D. 180 m from the head of the tow

[2898] Your radar is set on a true motion display. Which of the following will NOT appear to move across the PPI scope?

- A. Echoes from a buoy
- B. Own ship's marker

- C. Echo from a ship on the same course at the same speed
- D. Echo from a ship on a reciprocal course at the same speed

[2899]An upright vessel has negative GM. GM becomes positive at the angle of loll because the

- A. free surface effects are reduced due to pocketing
- B. KG is reduced as the vessel seeks the angle of loll
- C. effective beam is increased causing BM to increase
- D. underwater volume of the hull is increased

[2900]One method of controlling rats on vessels is by rat-proofing. Rat-proofing is accomplished by

- A. installing rat guards on the mooring lines when in port
- B. keeping foods protected and avoiding the accumulation of garbage
- C. eliminating possible living spaces for rats when the ship is constructed
- D. trapping and/or poisoning the rats

[2901]ALL PASSENGERS OF DECK NO. 2 ARE REQUESTED TO FOLLOW THE CREW MEMBERS WHO WILL ESCORT YOU TO YOUR ASSEMBLY STATIONS. From this sentence you can conclude that the vessel is in _____

- A. immediate danger to collide with another vessel
- B. a situation in which more passengers will embark on board
- C. berth and ready to disembark her passengers
- D. distress

[2902]Your ship is steaming at night with the gyropilot engaged. You notice that the vessel's course is slowly changing to the right. Which action should you take FIRST?

- A. Notify the engine room of the steering malfunction
- B. Change to hand steering
- C. Call the Master
- D. Send the Quartermaster to the emergency steering station

[2903] It is apparent that there was not sufficient depth of water _____ and I claim that the estimated arrival draft as radioed to the agent to report to you was a close one.

- A. for my vessel crossing safely
- B. my vessel is to cross safely
- C. for my vessel to cross safely
- D. for my vessel's crossing safely

[2904]Your vessel is at a dock taking bunkers through a pipe laid down on the dock. If oil begins to flow out of a tank vent, what should you do FIRST?

- A. Open the intake valve to an adjacent tank

B. Set out drip pans and sawdust and begin to mop up the spill

C. Signal the shore control point to shut down

D. Close the valve on the tank vent line

[2905] The information on hydrography, topography, navigational aids and services, abbreviations at principal English and foreign charts and general information on the content of Admiralty charts is likely found in .

A. The Mariners Handbook (NP100)

B. Ocean Passages for the World (NP136)

C. Symbols and Abbreviations used on Admiralty Charts

D. Chart 5011

[2906] All of the following are practices of good seamanship EXCEPT

A. when meeting, altering course to the left to increase sea room

B. maintaining an alert radar watch in reduced visibility

C. showing a flare-up light to attract attention when you are not under command

D. maintaining a proper lookout from sunrise to sunset

[2907] A psychrometer has two thermometers that provide dry bulb and wet bulb temperatures. By comparing these two temperature readings with a set of tables you can determine the _____

A. atmospheric pressure B. wind speed

C. relative humidity and dew point D. wind chill factor

[2908] Due to lapse of time the risk in these areas to surface navigation is now considered than the ordinary risks of navigation, but a very real risk still exists with regard to anchoring, fishing or any form of submarine or seabed activity.

A. more serious B. not less serious C. more dangerous D. no more dangerous

[2909] A dangerous condition can arise with the waves abeam .

A. when the period of roll of a ship is the same as the period of the wave

B. when the period of roll of a ship is greater than the period of the wave

C. when the period of roll of a ship is smaller than the period of the wave

D. when the period of roll of a ship could not be calculated

[2910] When a tug is pulling on a hawser at right angles to the ship, and the pilot wants to come t- head or astern on the ship's engine, care must be taken that the pilot .

A. does not break the towline

B. does not get too much way on the vessel

C. keeps a steady course so the towline will remain tight

D. turns the ship toward the direction of pull

[2911] Which would be the subject of a NAVAREA warning? .

- A. A drifting buoy sighted in mid-ocean
- B. Extinguishment of Wolf Trap Light located inside Chesapeake Bay
- C. All military exercises on the high seas involving four or more vessels
- D. Off-air times of radio beacons when scheduled for routine maintenance

[2912] If there are a number of survivors in the water after abandoning ship, they should .

- A. tie themselves to the unit so they won't drift with the current
- B. form a small circular group to create a warmer pocket of water in the center of the circle
- C. send the strongest swimmer to shore for assistance
- D. form a raft by lashing their life preservers together

[2913] You are anchoring in 16 fathoms of water. On a small to medium size vessel, the

- A. anchor may be dropped from the hawse pipe
- B. anchor should be lowered to within 2 fathoms of the bottom before being dropped
- C. scope should always be at least ten times the depth of the water
- D. scope should always be less than 5 times the depth of the water

[2914] ___ is not likely to be a method of Traffic Separation.

- A. Separation of opposing streams of traffic by separation zones or lines
- B. The separation of through traffic from local traffic by provision of inshore traffic zones
- C. Division of traffic from several different directions into sectors
- D. Control of routing traffic through shipping routes

[2915] Functions aboard a tanker or tank barge such as connecting, disconnecting, and topping off must be supervised by _____

- A. any certificated tankerman
- B. the Master of the vessel
- C. the officer of the watch
- D. the person designated as person in charge

[2916] Towing a structure using two tugs approximately side by side, each using one hawser, is referred to as a

- A. tandem tow
- B. Honolulu tow
- C. breast tug tow
- D. tandem tug tow

[2917] After oil pollution occurs in Chinese ports, what action shall be first taken by ship's Captain and Chief Engineer? _____

- A. To use the oil dispersant
- B. To organize the persons to collect the oil

C. To report the matter to MSA and ask for instructions

D. To put forward an accident report within 24 hours

[2918] A revised print of a chart is made .

A. after every major hydrographic survey of the area covered by the chart

B. when there are numerous corrections to be made or the corrections are extensive

C. when a low-stock situation occurs and minor corrections are made

D. every two years to update the magnetic variation information

[2919] When comparing twin screw tug to single-screw tugs, which statement about a twin-screw tug is FALSE? ____

A. If one engine fails, you do not lose control of the ton

B. It is more maneuverable

C. It develops more bollard pull for the same horsepower

D. It is generally subject to more propeller damage from debris in the water

[2920] _____ is correct.

A. A radar's bearing measurement is less accurate than its distance measurement

B. A radar's bearing measurement is more accurate than its distance measurement

C. A radar's bearing measurement and its distance measurement have equal accuracy

D. It cannot tell if a radar's bearing measurement is more accurate than its distance measurement

[2921] Your vessel has been holed in No. 1 hold and partially flooded. The hole is plugged against further flooding. In calculating the effect of the flooding on your transverse stability, you should use which method? ____

A. Compartment standard method B. Lost buoyancy method

C. Factor of subdivision method D. Added weight method

[2922] An isotherm is _____.

A. a line on a weather map connecting equal points of both temperature and pressure

B. an instrument that measures the climatological effects of temperature

C. a line connecting points of equal barometric pressure on a weather map

D. a line connecting points of equal temperature on a weather map

[2923] A high-velocity fog stream can be used in fire fighting situations to drive heat and smoke ahead of the fire fighters in a passageway. This technique should only be used when

A. using a 2 ~ 1/2 inch hose

B. there is an outlet for the smoke and heat

C. the fire is totally contained by the ship's structure

D. at least two fog streams can be used

[2924] Each life jacket light that has a non-replaceable power source must be replaced

- A. every 6 months after initial installation
- B. every 12 months after initial installation
- C. every 24 months after initial installation
- D. on or before the expiration date of the power source

[2925] A wildcat is a

- A. deeply-grooved drum on the windlass with sprockets which engage the links of the anchor chain
- B. winch that is running out of control due to a failure of the overspeed trips
- C. line that has jumped off the gypsyhead while under strain
- D. nylon line that parts under strain and whips back in a hazardous manner

[2926] You are attempting to locate your position with reference to a hurricane center in the Northern Hemisphere. If the wind direction remains steady but velocity diminishes with time, you are most likely _____

- A. in the right semicircle
- B. in the left semicircle
- C. on the storm track ahead of the center
- D. on the storm track behind the center

[2927] You can expect frontal activity when two air masses collide and _____

- A. their barometric pressures and temperatures are the same
- B. there are differences in how they track along the jet stream
- C. there are no significant differences between their temperatures and moisture content
- D. there are significant differences between the temperature of each air mass

[2928] At the required fire drill conducted aboard a vessel, all persons must report to their stations and demonstrate their ability to perform the duties assigned to them _____

- A. by the toolpusher
- B. in the station bill
- C. by the person conducting the drill
- D. at the previous safety meeting

[2929] While using a combustible gas indicator, if the hydrocarbon content of the atmosphere exceeds the UEL, the needle of the indicator will _____

- A. remain at zero without moving
- B. move to the maximum reading and stay there
- C. move halfway up the scale
- D. move to the maximum reading and immediately return to zero

[2930] A common occurrence when a vessel is running into shallow water is that _____

- A. the wake is less pronounced
- B. the vessel is more responsive to the rudder
- C. squat will cause a decrease in bottom clearance and an increase in draft
- D. bank suction and bank cushion are increasing

[2931] Basic emergency care for third degree electrical burn is to . . .

- A. flood the burned area with warm water for two minutes
- B. brush away the charred skin and wrap the burned area
- C. cover the burned area with a clean cloth and transport the patient to a medical facility
- D. apply ointment or spray to the burned area and wrap with a clean cloth

[2932] You are on a single-screw vessel with a right-handed propeller, and you are making headway. When you enter shallow water,

- A. you will have better rudder response
- B. your speed will increase without a change in your throttle
- C. your rudder response will become sluggish
- D. your vessel will tend to ride higher

[2933] As a vessel falls off the wind from close-hauled to a beam reach, the tendency for the vessel to move sideways through the water will .

- A. increase
- B. decrease
- C. change only if the vessel comes about on the opposite tack
- D. not change

[2934] Admiralty Sailing Directions are written with the assumption that the reader .

- A. is familiar with all information contained in UKHO publications
- B. knows nothing about any sailing directions
- C. is lack of particular knowledge concerning the navigation of the area
- D. has the appropriate chart before him and other relevant publications to hand

[2935] During cargo operations, your vessel develops a list due to the center of gravity rising above the transverse metacenter. To correct the list, you should

- A. shift weight to the high side
- B. shift weight to the centerline
- C. add weight in the lower holds or double bottoms

D. remove weight from the lower holds or double bottoms

[2936] You are the stand-on vessel in a crossing situation. You may hold your course and speed until _____

- A. the other vessel takes necessary action
- B. the other vessel gets to within half a mile of your vessel
- C. action by the give-way vessel alone will not prevent collision
- D. the other vessel gets to within a quarter mile of your vessel

[2937] While loading cargo, a white trimming light on the starboard side comes on. This indicates that _____

- A. the vessel has a list of about 1° to starboard
- B. the chutes should be directed to the starboard side
- C. the chutes in No. 1 hold should be directed to the starboard side
- D. a severe list to starboard has developed and all loading should cease

[2938] A portable dry chemical fire extinguisher discharges by .

- A. gravity when the extinguisher is turned upside down
- B. pressure from a small CO₂ cartridge on the extinguisher
- C. air pressure from the hand pump attached to the extinguisher
- D. pressure from the reaction when water is mixed with the chemical

[2939] Preventer bars are fitted on lifeboat releasing hooks to prevent .

- A. the falls from unhooking if the releasing gear is operated accidentally while the boat is being lowered
- B. operation of the release lever until the boat is waterborne
- C. the falls from rehooking after they have been released
- D. accidental unhooking when the falls become slack

[2940] You have a large, broken-down vessel in tow with a wire rope and anchor cable towline. Both vessels have made provision for slipping the tow in an emergency; however, unless there are special circumstances

- A. the towing vessel should slip first
- B. the vessel towed should slip first
- C. they should slip simultaneously
- D. either vessel may slip first

[2941] Why are stern towing bitts placed well forward of the rudder when hawser towing?

- A. To keep the hawser from fouling the rudder
- B. To keep the towing bitts as far away as possible from the tugs pivoting point
- C. To allow the stern to swing more freely when using rudder
- D. To have as much of the towing hawser in use as possible

[2942] A vessel is equipped with cross-connected deep tanks. In which situation should the cross-connection valve be

closed?

- A. The tanks lie above the waterline and are filled
- B. The tanks are partially filled with dry cargo
- C. The tanks are partially filled with liquid cargo
- D. The tanks are filled and lie below the waterline

[2943] You are using an automatic tension winch by yourself. If you get caught in the turns of the line as they lead into the gypsyhead .

- A. the safety cutout will stop the winch before you're injured
- B. the line will part and snap back
- C. you may be pulled into the winch and injured or killed
- D. the tension of the line will be removed

[2944] is a maritime radio warning system consisting of a series of coast stations transmitting radio teletype safety messages on the internationally standard medium frequency of 518 kHz.

- A. DSC
- B. MSI
- C. NAVTEX
- D. ESA

[2945] Once a towline is connected between the towing vessel and the disabled vessel, the towing vessel should .

- A. not exceed bare steerageway during the transit
- B. take a strain as soon as you can to control the tow
- C. come up to speed very slowly and maintain a safe speed
- D. come up to speed quickly, then cut back power considerably to ease the strain

[2946] A high-velocity fog stream can be used in fire fighting situations to drive heat and smoke ahead of the fire fighters in a passageway. This technique should only be used when .

- A. using a 2.5-inch hose
- B. there is an outlet for the smoke and heat
- C. the fire is totally contained by the ship's structure
- D. at least two fog streams can be used

[2947] The term LENGTH OF A VESSEL in International Regulations for Preventing Collision at Sea 1972 means _____

- A. the length between perpendiculars
- B. the registered length
- C. the length overall
- D. the length of waterplane on summer draft

[2948] When approaching Block Island Sound from Long Island Sound, you will enter waters governed by the International Rules of the Road when you .

- A. pass through The Race

- B. cross the territorial sea boundary
- C. exit Block Island Sound to the east or south
- D. other causes, as Long Island Sound is governed by the International Rules of the Road

[2949] The responsibilities of the Carrier shall commence from and shall cease

- A. when the goods are discharged from the ship/ when the goods are loaded
- B. when the goods are loaded on board the ship/when they are discharged from the ship
- C. the time the sailing starts/when the anchor is dropped
- D. the time when the voyage begins/when the voyage finishes

[2950] is the international body responsible for establishing and recommending measures for ship's routing in international waters.

- A. WHO
- B. ILO
- C. IMO
- D. ITF

[2951] Frapping lines are fitted to lifeboat davits to .

- A. secure the lifeboat in the davits when in the stored position
- B. bring the lifeboat close along the rail in the embarkation position
- C. give the occupants a safety line when the boat is being lowered from the embarkation level
- D. reduce the swinging of the lifeboat at the embarkation level

[2952] During an abandonment or drill, the first person to arrive at the survival craft should

- A. pass out food and water to personnel
- B. open the doors and start the sprinkler system
- C. activate the emergency release handle
- D. open the doors and prepare the craft for boarding

[2953] The international number, location and/or name, geographical co-ordinates, characteristics and intensity, elevation in metres, range in sea miles and description of structure of a light can be found in .

- A. ocean Passages for the World (NP136)
- B. admiralty List of Radio Signals
- C. IALA Maritime Buoyage System (NP735)
- D. admiralty List of Lights and Fog Signals

[2954] A fishing vessel is approaching a vessel not under command. Which statement is TRUE?

- A. The fishing vessel must keep clear of the vessel not under command
- B. If the vessel not under command is a power-driven vessel, she must keep clear of the fishing vessel
- C. They must exchange whistle signals
- D. Both vessels are required to take action to stay clear of each other

[2955] When being towed, a fairlead is a .

- A. fabricated shape used to change the direction of a flexible member of the tow hookup
- B. fabricated shape used to secure the tow hookup to the towed vessel
- C. line connecting the fishplate to the bridle legs
- D. line connecting the tow bridle to the towed vessel

[2956]The mariner must be the final judge of the reliance he can place on the information given in the Admiralty charts and other publications, since they .

- A. may always be complete and up-to-date
- B. may not always be complete and up-to-date
- C. may sometimes be complete and up-to-date
- D. may not sometimes be complete and up-to-date

[2957]What is the right way to use VHF CH16 and working channel?

- A. Ships can call other ships on Ch16 but should move to a working channel as soon as possible
- B. Ship should use working channel to call other ships at any time
- C. Ch16 is only used as the international distress and calling frequency
- D. Ship can use Chi6 or working channel as they like

[2958]What represents poor sanitary procedures?

- A. Keep and use a separate filling hose for potable (drinking) water
- B. Locate potable (drinking) water tanks as low as possible in the bilge
- C. Eliminate enclosed spaces in which trash, food particles, dirt may gather
- D. After washing dishes with soap and warm water, sterilize them in water of at least 170° C (76.7° C)

[2959] You are using the anchor to steady the bow while maneuvering. You have the proper scope of anchor cable when the .

- A. bow is held in position with the engines coming slowly ahead
- B. anchor is just touching the bottom
- C. scope is not more than 5 times the depth of the water
- D. cable enters the water at an angle between 60° and 85° from the horizontal

[2960] Under International Rules

- A. all vessels must carry an after range light
- B. vessels less than 50 meters in length need not carry an after range light
- C. vessels stopped dead in the water should turn off their range lights
- D. vessels over 20 meters in length must carry both range lights from sunset to sunrise

[2961] If you are caught in the left semicircle of a tropical storm, in the Southern Hemisphere, you should bring the wind _____

- A. on the starboard quarter, hold course and make as much way as possible
- B. 2 points on the port quarter, and make as much way as possible
- C. on the port bow, and make as much way as possible
- D. dead ahead and heave to

[2962] At last, the palm trees that fringe the natural harbor of Port Aloahoa come into view on the horizon lit by the setting sun. The meaning of this sentence is that _____

- A. a vessel arrives at a port in a evening
- B. a vessel leaves a port in a evening
- C. a vessel arrives at a port in a morning
- D. a vessel leaves a port in a morning

[2963] A new liferaft has been installed on your vessel. The operating cord should be _____

- A. attached to the raft stowage cradle or to a secure object nearby with a weak link
- B. checked to see that it's unattached
- C. coiled neatly on the raft container
- D. faked on deck and lead through a chock

[2964] AIS is required to all of the following except _____

- A. provide safety-related information automatically to shore stations, other vessels and aircraft
- B. receive safety-related information automatically from similarly equipped vessels
- C. exchange safety-related information with shore-based facilities
- D. transit cargo information to both consigners and consignees

[2965] Large volumes of carbon dioxide are safe and effective for fighting fires in enclosed spaces, such as in a pumproom, provided that the _____

- A. persons in the space wear gas masks
- B. persons in the space wear damp cloths over their mouths and nostrils
- C. ventilation system is secured and all persons leave the space
- D. ventilation system is kept operating

[2966] Following a collision or accident, the Master of each vessel involved must render assistance to persons affected by the collision or accident _____

- A. if he can do so without any risk to his vessel
- B. if he can do so without undue delay
- C. if he can do so without serious danger to his vessel or to individuals on board

D. without regard to any danger to his vessel

[2967] A traffic separation zone is that part of a traffic separation scheme which .

- A. is between the scheme and the nearest land
- B. contains all the traffic moving in one direction
- C. is designated as an anchorage area
- D. separates traffic proceeding in one direction from traffic proceeding in the opposite direction.

[2968] You are about to cross a narrow channel when you see an approaching vessel that can only be at navigated safely within the channel. You should .

- A. cross the channel as you are the stand-on vessel
- B. cross only if the vessel in the channel is approaching on your port side
- C. not cross the channel if you might impede the other vessel
- D. sound the danger signal

[2969] A stand-on vessel is .

- A. required to give way in a crossing situation
- B. required to sound the first passing signal in a meeting situation
- C. free to maneuver in any crossing or meeting situation as it has the right-of-way
- D. required to maintain course and speed in a crossing situation but may take action to avoid collision

[2970] The last shot of an anchor cable is usually painted .

- A. White
- B. international orange
- C. Yellow
- D. Red

[2971] A seaman dies during a voyage. What is NOT required to be entered into the Official Log?

- A. Statement that the Master has taken custody of the deceased' s MMD and passport
- B. An inventory of the money and property
- C. Statement of the wages due
- D. Statement as to the total deductions to be made from the wages

[2972] Which one of the followings about Traffic Separation Scheme (TSS) is incorrect?

- A. TSS separates inbound and outbound traffic in well marked lanes
- B. Regulations request all vessels to join or leave lanes at the extremities
- C. If a TSS has to be crossed, the crossing shall be made at a right angle
- D. In TSS the rule of the road is changed

[2973] When the system determines that a collision situation exists, the target causing the alarm condition are identified on { PPI } by a bright T adjacent thereto.

- A. Plan position indicator B. Plane position indicator
C. Policy proof of interest D. Policy proof of insurance

[2974] is not the information necessary for the master to obtain guidance as to the stability of the ship.

- A. A curve of minimum operational metacentric height (GM) versus draught
B. Instructions concerning the operation of cross-flooding arrangements
C. The signals or lights being exhibited or sounded
D. Data and aids which are necessary to maintain stability after damage

[2975]Which statement is TRUE concerning hawser towing?

- A. The catenary in a hawser should be sufficient so that the hawser just touches the bottom
B. The hawser is of sufficient length for towing when taut between tug and tow
C. Increasing speed usually increases the catenary in the hawser
D. Shortening the tow hawser generally decreases the maneuverability of the tug

[2976]You detect an odor of burning cotton fabric and then see smoke coming from the top of an open laundry room doorway. After activating the fire alarm,you might do any of the following next, EXCEPT _____

- A. begin breaking out the nearest fire hose
B. secure ventilation to the room
C. close the door to the room
D. acquire the nearest self contained breathing apparatus

[2977]Which statement is TRUE?

- A. You need not keep a record of ground garbage dumped into the sea more than 25 miles off?shore
B. You must keep a record of garbage discharged in port to a shore facility
C. You need not keep a record of garbage incinerated on the ship
D. You must keep a record of the approximate weight of the garbage dumped

[2978] A twin-screw vessel can clear the inboard propeller and maneuver off a pier best by holding a(n)_____

- A. forward spring line and going slow ahead on the inboard engine
B. after spring line and going slow astern on the outboard engine
C. forward spring line and going slow ahead on both engines
D. forward spring line and going slow ahead on the outboard engine

[2979]You have just abandoned ship and boarded a raft. After the raft is completely inflated you hear a whistling noise coming from a safety valve. You should .

- A. not become alarmed unless it continues for a long period of time

B. plug the safety valve

C. unscrew the deflation plugs

D. remove the safety valve and replace it with a soft patch

[2980] A victim is coughing and wheezing from a partial obstruction of the airway. An observer should .

A. perform the Heimlich maneuver

B. immediately start CPR

C. give back blows and something to drink

D. allow the person to continue coughing and dislodge the obstruction on his own

[2981] is a worldwide series of tables published in three parts and with regional sub-division and tables of the shortest distances between ports.

A. Ocean Passages for the World (NP136)

B. Admiralty Maritime Communications Series (NP289-NP291)

C. Admiralty Distance Tables (NP350 1-3)

D. Catalogue of Admiralty Charts and Publications (NP131)

[2982] Floors aboard ship are .

A. frames to which the tank top and bottom shell are fastened on a double bottomed ship

B. transverse members of the ships frame which support the decks

C. longitudinal beams in the extreme bottom of a ship from which the ship's ribs start

D. longitudinal angle bars fastened to a surface for strength

[2983] What is the significance of the broken magenta lines which roughly parallel the shore between Roanoke Point and Orient Point on Long Island? .

A. They mark the limits of breakers in that area

B. These lines warn the mariner of submerged rocks

C. They mark the boundary lines of fish trap areas

D. These lines warn the mariner of submerged pipelines

[2984] The vertical component of the Earth' s magnetic field causes induced magnetism in vertical soft iron. This changes with latitude. What corrects for this coefficient of the deviation? .

A. The Flinders bar B. The heeling magnet

C. Quadrantal soft iron spheres D. Bar magnets in the binnacle

[2985]___ is not a proper procedure of winch operations.

A. To keep the hook as close to the junction of the flails as possible

B. To keep the right amount of slack in a cargo runner which is not under stress

C. To avoid rapid starts and stops or sudden stresses

D. To keep the loads as far away from the rail or deck as possible

[2986] If more than one raft is manned after the vessel has sunk, you should .

A. go in a different direction in search of land

B. spread out to increase the possibility of a search aircraft finding you

C. reduce the number of rafts by getting as many people as possible into as few rafts as possible

D. tie the rafts together and try to stay in a single group

[2987] Any action taken to avoid collision shall, if the circumstances of the case admit, .

A. be positive

B. be positive and made in ample time

C. be positive, made in ample time and with due regard to the observance of good seamanship

D. be positive, made in ample time, with due regard to the observance of good seamanship and avoiding complying with local regulations

[2988] You are operating a twin-screw vessel and lose your port engine. You continue to operate on your starboard engine only. Which action would you take to move your vessel ahead in a straight line?

A. Compensate with right rudder

B. Compensate with left rudder

C. Surge the starboard engine

D. Rudder amidships - no compensation is necessary on a twin-screw vessel

[2989] A vessel restricted in her ability to maneuver is one which

A. through some exceptional circumstance is unable to maneuver as required by the Rules

B. from the nature of her work is unable to maneuver as required by the Rules

C. due to adverse weather conditions is unable to maneuver as required by the Rules

D. has lost steering and is unable to maneuver

[2990] A vessel, which does not normally engage in towing operations, is towing a vessel in distress. She .

A. need not show the lights for a vessel engaged in towing, if it is impractical to do so

B. may show the lights for a vessel not under command

C. must show a yellow light above the stem light

D. must show the lights for a vessel towing

[2991] No pilot ladder shall have more than replacement steps which are secured in position by a method different from

- B. It will lubricate all the moving parts of a stock anchor
- C. It will increase the maximum breaking strength of the anchor chain
- D. It will make it easier to disassemble the anchor for repair

[2998] Allowance for fresh water refers to .

- A. the provision to be provided when the vessel sails in fresh water area
- B. the fresh water to be carried by a vessel
- C. the allowance of fresh water for each crew member when in distress at sea
- D. the amount of free board decreased when sailing in fresh water area

[2999] When towing astern, you notice that another vessel is about to pass between the towing vessel and the tow. You should immediately .

- A. turn away from the approaching vessel
- B. shine a spotlight in the direction of the approaching vessel
- C. sever the towline
- D. slow down and pay out the main tow hawser

[3000] In selecting a tug for moving a vessel, consideration should be given to its .

- A. indicated horsepower, bollard pull, and displacement
- B. indicated horsepower, maneuverability, and displacement
- C. indicated horsepower, bollard pull, and maneuverability
- D. bollard pull, displacement, and maneuverability

[3001] Which statement is TRUE concerning the danger signal?

- A. When any vessel fails to understand the intentions of an approaching vessel she must sound the danger signal
- B. Only the stand-on vessel can sound the danger signal
- C. Distress signals may be used in place of the danger signal
- D. The danger signal consists of 4 or more short blasts of the whistle

[3002] Your vessel is proceeding down a channel, and you see a pair of range lights that are in line dead ahead. The chart indicates that the direction of this pair of lights is 229° T, and variation is 6° W. If the heading of your vessel at the time of the sighting is 232° per standard magnetic compass, what is the correct deviation? .

- A. 3° E
- B. 9° E
- C. 3° W
- D. 9° W

[3003] Without doubt the radar is a highly important navigation aid. But duty officer shall aware that _____ when using it.

- A. its range reading is more accurate than its bearing reading
- B. a low-lying coastline with a long, flat beach will show up properly on the radar

C. radar is only aimed at collision avoidance

D. the use of radar is necessary only when visibility is restricted

[3004]The "rudder adjustment" control on an autopilot steering stand is used to .

A. align the rudder angle indicator with the true rudder angle

B. set the number of degrees of rudder per degree of course error

C. set the departure from base course before actuating the rudder

D. set the rate at which the rudder responds

[3005]You are approaching a light fitted with a RACON. The light may be identified on the radar by_____

A. a dashed line running from the center of the scope to the light

B. an audible signal when the sweep crosses the light

C. a circle appearing on the scope surrounding the light

D. a coded signal appearing on the same bearing at a greater range than the light

[3006]While steering by autopilot you notice that the vessel has deviated 15 degrees from course and there is no corrective rudder being applied. As a standard operating procedure you should first

A. check the setting of the rudder adjustment

B. check the setting of the weather adjustment

C. switch to hand steering

D. immediately engage the trick wheel

[3007] If your vessel has a list to port due to negative GM and off-center weight, the first corrective measure you should take is to .

A. move port-side main-deck cargo to the starboard side

B. fill the starboard double-bottom

C. pump water from the port double-bottom to the starboard double-bottom

D. pump water from the port double-bottom over the side

[3008] Which statement is TRUE in an overtaking situation? .

A. One vessel is approaching another vessel from more than 20° abaft the beam

B. It is the duty of the vessel being overtaken to get out of the way

C. Any later change of bearing between the two vessels shall not make the overtaking vessel a crossing vessel

D. The overtaking vessel is free of any responsibility

[3009] is a comprehensive reference in graphical and textual form of all Admiralty Charts and Publications worldwide (link to Admiralty Charts) listed by region.

A. Ocean Passages for the World (NP136)

B. Symbols and Abbreviations used on Admiralty Charts, Chart 5011

C. IALA Maritime Buoyage System (NP735)

D. Catalogue of Admiralty Charts and Publications (NP131)

[3010] Concerning a celestial observation, the azimuth angle is measured from the principal vertical circle to the

A. greenwich celestial meridian

B. hour circle of the body

C. local celestial meridian

D. vertical circle of the body

[3011] Aluminum lifeboats are subject to damage by electrolytic corrosion. In working around boats of aluminum you must be very careful

A. to keep the boats covered at all times

B. not to leave steel or iron tools lying in or near these boats

C. to keep an electric charge on the hull at all times

D. to rinse these boats regularly with salt water

[3012]What is most likely to happen when you push a multiple tow into a countercurrent?

A. Going upstream you will make better speed with no danger involved

B. Going downstream you will be slowed down but will keep control of the tow

C. There is a good chance you will break up the tow

D. No danger exists as long as you steer a straight course through the eddy

[3013]The charts sold are of

A. newly edition with up to date correction and in reasonable prices

B. the current edition and incorporate the last Notices to Mariners correction

C. the current edition and incorporate the latest Notices to Mariners correction at the time of sale

D. brand-new one with up to date correction and clean writing

[3014]Any alteration of course and/or speed to avoid collision shall, if the circumstances of the case admit, to another vessel observing visually or by radar.

A. be large enough to be readily apparent

B. be a succession of small alterations

C. be with due regard to the power and speed of the vessel

D. leave sufficient room for the other vessel to take action

[3015]When a Contracting Government receives notification of a ship security alert from a ship which is not entitled to fly

its flag, that Contracting Government shall immediately notify .

- A. the relevant Administration and, if appropriate, the State(s) in the vicinity of which the ship is presently operating
- B. the ship suffering the security attack
- C. IMO
- D. UKHO

[3016] Which one of the following is incorrect about Mercator projection?

- A. It projects a sphere onto a cylinder
- B. Because the resulting distance between latitudes are constantly increasing, it is also called progressive projection
- C. It can always give true distances
- D. Its advantage is that longitudes and latitudes are at right angles, which makes it easy to read true bearings

[3017] Which statement concerning the handling characteristics of a fully loaded vessel as compared with those of a light vessel is FALSE?

- A. A fully loaded vessel will be slower to respond to the engines
- B. A fully loaded vessel will maintain her headway further
- C. A light vessel will be more affected by the wind
- D. A light vessel loses more rudder effect in shallow water

[3018] You are the first vessel to arrive at the scene of a distress. Due to the volume of traffic on the radio, you are unable to communicate with the vessel in distress. Which action should you take?

- A. Switch to flag hoists
- B. Broadcast "Seelonce Distress"
- C. Broadcast "Charlie Quebec-Mayday-Quiet"
- D. Key the microphone three times in quick succession

[3019] No discharge into the sea shall contain in quantities or concentrations which are hazardous to the marine environment or chemicals or other substances introduced for the purpose circumventing the conditions of discharge specified in MARPOL 73/78.

- A. chemicals B. chemicals or other substances
- C. substances D. other substances

[3020] Serving is .

- A. marline or ratline wound along the grooves of a rope
- B. narrow strips of light canvas or cotton cloth spiral-wrapped along the rope
- C. marline tightly wound on the rope by means of a board or mallet

D. a splice made by laying the strand of one rope into the vacated grooves of another rope

[3021] You detect an odor of burning electrical insulation and then notice smoke coming from an open laundry room doorway. After activating the fire alarm, which of the following is the LEAST likely of your next actions?

- A. Close the door to the room
- B. Locate the nearest CO₂ or dry chemical extinguisher
- C. Secure power to the washers and dryers
- D. Break out the nearest fire hose

[3022] A vessel towing where the tow prevents her from changing course shall carry _____.

- A. only the lights for a vessel towing
- B. only the lights for a vessel restricted in her ability to maneuver
- C. the lights for a towing vessel and the lights for a vessel restricted in her ability to maneuver
- D. the lights for a towing vessel and the lights for a vessel not under command

[3023] You are approaching the pilot station with the wind fine on the starboard bow and making about 3 knots. You can help to calm the seas by taking what action just before the pilot boat comes along on the port side?

- A. Backing full
- B. Stopping the engines
- C. Giving right full rudder
- D. A short burst of ahead full with left full rudder

[3024] An oil tanker, except as provided for otherwise, might discharge certain amount at certain rate of oil or oily mixtures into sea when _____.

- A. she is not within a special area
- B. she is within a special area
- C. she has just departed from a special area
- D. she is about to enter a special area

[3025] A vessel constrained by her draught may, in addition to the lights prescribed for power-driven vessels in Rule 23, exhibit where they can best be seen _____ or a cylinder.

- D. two all-round red lights in a vertical line
- D. three all-round red lights in a vertical line
- D. two all-round yellow lights in a vertical line
- D. three all-round green lights in a vertical line

[3026] If your bridge-to-bridge radiotelephone ceases to operate, you must _____.

- D. immediately anchor your vessel and arrange for repairs to the system
- D. moor your vessel at the nearest dock available and arrange for repairs to the system
- D. arrange for the repair of the system to be completed within 48 hours
- D. exercise due diligence to restore the system at the earliest practicable time

[3027] When a vessel navigates in an area with a small underkeel clearance but with adequate space to take avoiding action she .

- D. should not be regarded as a vessel constrained by her draught
- D. should be regarded as a vessel constrained by her draught
- D. shall be regarded as a vessel restricted in her ability to maneuver
- D. should be regarded as a non-displacement vessel

[3028] An aircraft has indicated that he wants you to change course and follow him. You cannot comply because of an emergency on board. Which signal should you make?

- D. Fire a red flare at night or a red smoke signal by day
- D. Send the Morse signal "N" by flashing light
- D. Make a round turn (360°) and resume course
- D. Make an "S" turn (hard right then hard left) and resume course

[3029] You are enroute from Puerto Rico to New York. A hurricane makes up and is approaching.If the wind veers steadily, this indicates that your vessel is

- A. in the dangerous semicircle B. in the navigable semicircle
- C. directly in the path of the stormD. in the storm center

[3030] At heights of 600 m or more above the earth's surface the Geostrophic Wind the isobars.

- D. blows parallel to
- D. blows at right angles to
- D. is deflected to the right in the northern hemisphere and to the left in the southern hemisphere
- D. is deflected to the left in the northern hemisphere and to the right in the southern hemisphere

[3031] Your ARPA has two guard zones. What is the purpose of the inner guard zone?

- A. Alert the watch officer that a vessel is approaching the preset CPA limit
- B. Warn of small targets that are initially detected closer than the outer guard zone
- C. Guard against target loss during critical maneuvering situations
- D. Sound an alarm for targets first detected within the zone

[3032]Of the following, is not likely found in The Mariners Handbook (NP100).

- A. navigational hazards and buoyage, meteorological data, details of pilotage, regulations, port facilities and guides to major port entry
- B. information on charts
- C. information on operational information and regulation

D. information on tides, currents and characteristics of the sea

[3033] In determining a safe speed shall not be among those taken into account.

- A. the characteristics, efficiency and limitation of the radar equipment
- B. any constraints imposed by the radar range scale in use
- C. the effect on radar detection of the sea state, weather and other sources of interference
- D. the safe working load of the cranes both on board and ashore

[3034] A seaman has a small, gaping laceration of the arm that is not bleeding excessively. What can be done as an alternative to suturing to close the wound?

- A. Wrap a tight bandage around the wound
- B. Apply a compression bandage
- C. Use temporary stitches of sail twine
- D. Apply butterfly strips, then a sterile dressing

[3035] You are coming to anchor in 8 fathoms of water. In this case, the

- A. anchor may be dropped from the hawse pipe
- B. anchor should be lowered to within 2 fathoms of the bottom before being dropped
- C. anchor should be lowered to the bottom then the ship backed and the remainder of the cable veered
- D. scope should be less than 3 times the depth of the water

[3036] You are on anchor watch. As an aid to preventing thievery on the vessel you should

- A. show running lights, anchor lights and deck lights
- B. only show the required anchor lights and keep the rest of the vessel darkened
- C. maintain water on deck with fire hoses led out and all-purpose nozzles attached
- D. show anchor lights, deck lights and cargo lights hung over the vessel's side

[3037] Which of the following statements regarding low expansion foam and its application is IN?CORRECT?

- C. Foam should not be used on electrical fires
- D. One kilo of low expansion foam solution produces much more foam
- E. Foam is only efficient when it covers the top of burning combustibles
- F. A stream of foam should be deflected off the deck in order to best agitate the fire

[3038] Your vessel is off a lee shore in heavy weather and laboring. Which action should you take?

- A. Put the sea and wind about two points on either bow and reduce speed
- B. Heave to in the trough of the sea
- C. Put the sea and wind on either quarter and proceed at increased speed

D. Put the bow directly into the sea and proceed at full speed

[3039] You are aboard a single-screw vessel (right-hand propeller) going full ahead with good headway. The engine is put astern and the rudder is placed hard left. The stem of the vessel will swing to_____

A. starboard until headway is lost and then to port

B. port

C. port until headway is lost and then may possibly swing to starboard

D. port slowly at first and then quickly to port

[3040] A vessel is proceeding downstream in a narrow channel on the Western Rivers when another vessel is sighted moving upstream. Which vessel has the right of way?

A. The vessel moving upstream against the current

B. The vessel moving downstream with a following current

C. The vessel located more towards the channel centerline

D. The vessel with the least amount of maneuverability

[3041] First aid treatment for small cuts and open wounds is to .

A. lay the patient down and cover the wound when the bleeding stops

B. stop the bleeding, clean, medicate, and cover the wound

C. apply an ice pack to the wound and cover it when the bleeding stops

D. apply a hot towel to purge the wound, then medicate and cover it

[3042] You are scanning the radar screen for a buoy fitted with racon. How should this signal appear on the PPI display?

A. Starting with a dash and extending radially outward from the target

B. As a broken line from center of PPI to the target

C. Starting with a dot and extending radially inward from the target

D. Starting with a dash and extending to the right of the target

[3043] While you are working in a space, the fixed CO₂ system is accidentally activated. You should

A. secure the applicators to preserve the charge in the cylinders

B. continue with your work as there is nothing you can do to stop the flow of CO₂

C. retreat to fresh air and ventilate the compartment before returning

D. make sure all doors and vents are secured

[3044] A definite advantage of using water as a fire extinguishing agent is its characteristic of

A. alternate expansion and contraction as water in a liquid state becomes a vapor

- B. absorption of smoke and gases as water is converted from a liquid to a vapor
- C. rapid contraction as water is converted from a liquid to a vapor
- D. rapid expansion as water absorbs heat and changes to steam

[3045] Generally, are used as the track charts on the high sea, are used for harbors, inland waters and coastal areas.

- A. mercator charts/Loran charts
- B. admiralty charts/Routeing charts
- C. large scale charts/small scale charts
- D. small scale charts/large scale charts

[3046] Concurrently, under the SAR Convention, ships should be provided with Manual.

- A. IAMSAR
- B. MERSAR
- C. IMOSAR
- D. COMSAR

[3047] Magnetic dip is a measurement of the angle between the .

- A. geographic pole and the magnetic pole
- B. lubber' s line and true north
- C. horizontal and the magnetic line of force
- D. compass heading and the magnetic heading

[3048]While proceeding towards a distress site you hear the message "Seelonce Feenee" over the radiotelephone. Which action should you take? .

- A. Resume base course and speed because the distress situation is over
- B. Do not transmit over the radiotelephone
- C. Relay the initial distress message to the nearest shore station
- D. Resume normal communications on the guarded frequency

[3049]Clouds form .

- A. as a mass of warm, humid air rises into the atmosphere and cools, condensing moisture into small droplets
- B. as winds blow across bodies of water, the sun causes the moisture to be absorbed and move upward forming clouds
- C. dry air compresses moisture from the atmosphere into clouds
- D. when the relative humidity of the atmosphere is low

[3050] A vessel is fishing at anchor on the high seas. Which of the following day signals should she display if she has gear extending out over 150 meters horizontally from the vessel?

- A. A black ball in the forepart of her vessel
- B. A black double frustum of a cone
- C. A basket where best seen
- D. A black cone point upwards

[3051] You are on a tanker carrying benzene in bulk. Which statement is TRUE?

- A. No other cargoes may be carried due to the possibility of contamination by a carcinogen
- B. The crew quarters must have positive-pressure ventilation to prevent the fumes from entering the living spaces
- C. Benzene is not a cancer-causing agent
- D. Personnel working in regulated areas must use respirators

[3052] In the absence of external forces, adding weight on one side of a floating vessel causes the vessel to .

- A. heel until the angle of loll is reached
- B. list until the center of buoyancy is aligned vertically with the center of gravity
- C. trim to the side opposite TCG until all moments are equal
- D. .decreasedraft at the center of flotation

[3053] Your vessel has run hard aground in an area subject to heavy wave action. Backing full a- stem failed to free her.

Which action should be taken next?

- A. Continue backing to scour out the bottom
- B. Wait for high tide and then try backing
- C. Flood empty tanks to increase bottom pressure and prevent inshore creep
- D. Shift weight aft to reduce the forward draft

[3054] The Master of a vessel berthed, moored or anchored within the area of jurisdiction and who wishes to move his vessel to another berth, mooring or anchorage within that area ____from "Bahrain Port Control" prior to moving.

- A. shall not request permission
- B. shall request permission
- C. shall, if in convenience, require permission
- D. shall send his permission to the Harbor Master

[3055] Permanent magnetism is caused by .

- A. operation of electrical equipment and generators on board ship
- B. the earth's magnetic field affecting the ship's hard iron during construction
- C. the horizontal component of the earth's magnetic field acting on the horizontal soft iron
- D. the vertical component of the earth' s magnetic field acting on the vertical soft iron

[3056] Your vessel has a gasoline engine and a mechanical exhaust ventilation system. BEFORE starting the engine, the exhaust blower should be run long enough to ____.

- A. warm up the exhaust blower motor
- B. provide a proper supply of fresh air for the engine(s)

- C. see the system is in good operating condition
- D. insure at least one complete change of air in the compartments concerned

[3057] With a given load on the cargo hook, the thrust on a cargo boom ___.

- A. increases as the angle to the horizontal increases
- B. increases as the angle to the horizontal decreases
- C. is greatest at an angle of 45° and decreases as the boom is raised or lowered
- D. is least at an angle of 45° and increases as the boom is raised or lowered

[3058] An advantage of nylon rope over manila rope is that nylon rope .

- A. can be used in conjunction with wire or spring-lay rope
- B. can be stored on decks exposed to sunlight
- C. can hold a load even when a considerable amount of the yarns have been abraded
- D. gives audible warning of overstress whereas manila does not

[3059] You are plotting a running fix in an area where there is a determinable current. How should this current be treated in determining the position?

- A. The course and speed made good should be determined and used to advance the LOP
- B. The drift should be added to the ship's speed
- C. The current should be ignored
- D. The set should be applied to the second bearing

[3060] The Experimental Lighthouse-buoy has no navigational significance and may be removed at will. The above sentence means .

- A. it's a of no use for navigation and would be removed with notice
- B. it's useful in navigation and may be removed without notice
- C. it's helpless in navigation and may be removed without notice
- D. it's helpful in navigation and may be removed without notice

[3061] Where there are multiple accident victims, which injuries should be the FIRST to receive emergency treatment?

- A. Major multiple fractures
- B. Eye injuries .
- C. Back injuries with spinal-cord damage
- D. Airway and breathing difficulties

[3062] You have arrived at your anchorage location. You have put the engines astern prior to letting go the anchor. How will you know when the vessel has stopped making way?

- A. The ship's Doppler log reads zero

- B. The backwash of the propeller reaches amidships
- C. An azimuth bearing on the beam remains steady
- D. The engine has stopped for more than 5 minutes

[3063] The anchor chain should be kept moderately taut during a Mediterranean moor to

- A. facilitate speed of recovery during the weighing process
- B. indicate the anchor's location to passing or mooring ships
- C. prevent damage to the stem in the event of a headwind
- D. provide a steady platform for the gangway between the fan tail and pier

[3064] A 200-meter vessel restricted in her ability to maneuver, at anchor .will sound a fog signal of

- A. a 5 second ringing of a bell forward and a 5 second sounding of a gong aft at intervals of 1 minute
- B. one prolonged followed by two short blasts every 2 minutes . .
- C. one prolonged followed by three short blasts every minute
- D. one prolonged followed by three short blasts every 2 minutes

[3065] A fire starting by spontaneous combustion can be expected in which condition?

- A. Paints, varnish, or other liquid flammables are stowed in a dry stores locker
- B. Inert cargoes such as pig iron are loaded in a wet condition
- C. Oily rags are stowed in a metal pail
- D. Clean mattresses are stored in contact with an electric light bulb

[3066] Where a container, pallet or similar article of transport is used to consolidate goods, the number of packages or units enumerated in the bill of lading as packed in such article of transport to be the number of packages or units in calculating the amount beyond which the carrier or the ship is not reliable.

- A. is deemed
- B. are deemed
- C. deems
- D. deem

[3067] You are testing the external inflation bladder on an immersion suit and find it has a very leak. Which action should be taken?

- A. Replace the suit
- B. Replace the inflation bladder
- C. Take it out of service and repair in accordance with the manufacturers instructions
- D. Some leakage should be expected and a topping off tube is provided; no other action is necessary

[3068] A vessel towing astern in an operation which severely restricts the towing vessel and her tow in their ability to change course shall, when making way, exhibit any of the following lights except

- A. the masthead lights for a towing vessel

- B. the lights for a vessel restricted in its ability to maneuver
- C. sidelights, sternlight and towing light
- D. yellow and red lights

[3069] is not a requirement for securing of pilot ladder.

- A. That it is clear from any possible discharges from the ship
- B. That each step rests firmly against the ship's side
- C. That it is clear so far as is practicable of the finer lines of the ship
- D. That the pilot can gain safe and convenient access to the ship after climbing not less than 5.1 metres and not more than 19 metres

[3070] A red pillar light-buoy, F12 5 s , is to be substituted for the green conical light-buoy close SW of the stranded wreck.

The above sentence mainly refers to .

- A. a red buoy is to be replaced by a green buoy
- B. a green buoy is to be replaced by a red buoy
- C. either a red buoy or a green buoy is to be replaced
- D. neither a red buoy nor a green buoy is to be replaced

[3071] Epilepsy is a chronic nervous disorder characterized by .

- A. severe nausea and cramps
- B. muscular convulsions with partial or complete loss of consciousness
- C. sudden thirst and craving for candy
- D. severe agitation and desire to get out of closed spaces

[3072] What determines if a vessel is restricted in her ability to maneuver? .

- A. Whether or not all of the vessel's control equipment is in working order
- B. The vessel's draft in relation to the available depth of water
- C. Whether the nature of the vessel's work limits maneuverability required by the Rules
- D. Whether or not the vessel is the give-way vessel in a meeting situation

[3073]A chart projection depicting the poles and a small area on either side of a connecting meridian, that is sometimes used for star charts, is the .

- A. azimuthal gnomonic projection
- B. Lambert conformal projection
- C. transverse Mercator projection
- D. polyconic projection

[3074] You are steaming in a heavy gale and find it necessary to heave to. Under most circumstances, this is best done by .

- A. stopping the engines and drifting beam to the seas
- B. going slow astern and taking the seas on the quarter
- C. taking the sea fine on the bow and reducing the speed to the minimum to hold that position
- D. maintaining speed and taking the sea broad on the bow

[3075] Your present weather is sunny with a steady barometer. A low swell approaches your vessel from the south with crests passing at relatively long periods of about four per minute. This usually indicates .

- A. a warm front from the south
- B. a tropical cyclone south of your vessel
- C. a hurricane about 100 miles south of your vessel and heading in your direction
- D. an extra-tropical cyclone

[3076] A chain bridle is preferable to a wire rope towing bridle on a long ocean tow, however, is not a reason.

- A. chain is more flexible and has the ability to absorb shock because of its weight
- B. chain is less subject to wear and damage from abrasion
- C. chain requires little maintenance
- D. chain is lighter than wire rope

[3077] You are underway in reduced visibility. You hear the fog signal of another vessel about 20° on your starboard bow. Risk of collision may exist. You should .

- A. alter course to starboard to pass around the other vessel
- B. reduce your speed to bare steerageway
- C. slow your engines and let the other vessel pass ahead of you
- D. alter course to port to pass the other vessel on its portside

[3078] Sweat damage in a hatch full of canned goods in cartons will occur when the .

- A. air temperature is higher than the temperature of the cargo
- B. air temperature is lower than the temperature of the cargo
- C. dew point is higher than the temperature of the cargo
- D. dew point is lower than the temperature of the cargo

[3079] You are running parallel to the coast and take a running Fix using bearings of the same object. If you are making less speed than used for the running fix, in relation to the position indicated by the fix, you will be .

- A. closer to the coast
- B. farther from the coast
- C. on the track line ahead of the Fix
- D. on the track line behind the Fix

[3080] You must shore up a bulkhead due to solid flooding forward. The bulkhead approximates a rectangle. The center of pressure of the shores on the bulkhead should be located .

- A. evenly over the surface of the bulkhead
- B. approximately one-third of the way up the bulkhead
- C. approximately halfway up the bulkhead
- D. at the bottom of the bulkhead

[3081] amplify charted detail and contain information needed for safe navigation which is not available from Admiralty charts, or other hydrographic publications.

- A. Admiralty Sailing Directions
- B. Admiralty List of Lights
- C. Admiralty List of Signals
- D. Admiralty Notices to Mariners

[3082] A vessel, which is unable to maneuver due to some exceptional circumstance, shall exhibit

- A. during the day, three balls in a vertical line
- B. during the day, three shapes, the highest and lowest being balls and the middle being a diamond
- C. when making way at night, two all-round red lights, sidelights, and a sternlight
- D. when making way at night, masthead lights, sidelights, and a sternlight

[3083] You are off the coast of South Africa, when a seaman is injured. What indicator should be used in a message requesting medical advice from a South African station? .

- A. DH MEDICO
- B. XXX RADIOMEDICAL
- C. MEDRAD
- D. PORT HEALTH

[3084] What is NOT an advantage of double bottom ships?

- A. The tank top forms a second skin for the vessel
- B. The center of gravity of a loaded bulk cargo ship may be raised to produce a more comfortable roll
- C. The floors and longitudinals distribute the upward push of the water on the ship's bottom
- D. They are less expensive to construct because of increased access space

[3085] Concerning the identification signal for a pilot vessel, in fog, which statement is TRUE?

- A. When at anchor, the pilot vessel is only required to sound anchor signals
- B. The identification signal must be sounded any time the pilot vessel is underway
- C. The pilot vessel may only sound the identity signal when making way
- D. The pilot vessel is the give-way vessel

[3086] Your vessel is equipped with a fixed CO2 system and a fire main system. In the event of an electrical fire in the engine room what is the correct procedure for fighting the fire?

- A. Use the CO2 system and evacuate the engine room

- B. Use the fire main system and evacuate the engine room.
- C. Evacuate the engine room and use the CO2 system
- D. Evacuate the engine room and use the fire main system

[3087] Which statement is TRUE with respect to the elasticity of nylon mooring lines? .

- A. Nylon can stretch over forty percent without being in danger of parting
- B. Nylon can be elongated by one-hundred percent before it will part
- C. Nylon will part if it is stretched any more than twenty percent
- D Under load, nylon will stretch and thin out but will return to normal size when free of tension

[3088] ISPS Code applies to all following ships and/or facilities except .

- A passenger ships, including high-speed passenger craft?
- B. cargo ships, including high-speed craft, of 500 gross tonnage and upwards
- C. mobile offshore drilling units
- D. port facilities serving ships engaged on domestic voyages

[3089] If the situation arose where it became necessary to tow a disabled vessel, which statement TRUE concerning the towing line? .

- A. The towing line between the two vessels should be clear of the water
- B. The towing line should be taut at all times between the vessels
- C. There should be a catenary so the line dips into the water
- D. The towing line should be kept parallel with water surface

[3090] The ship security alert system shall .

- A. be capable of being activated from the navigation bridge and in at least one other location
- B. conform to performance standards inferior to those adopted by the Organization
- C. be designed so as to ensure the ship security alert is easily inadvertently initiated
- D. be easily accessible and controlled by foreigners on board

[3091]What is an advantage of having wire rope with a fiber core over that of a wire rope of the same size with a wire core?

- A. Fiber core rope offers greater strength
- B. Fiber core rope offers greater flexibility
- C. Fiber core rope can be used at higher operating temperatures
- D. Fiber core rope is the only type authorized for cargo runners

[3092] The amount of LFG that may be loaded into a given tank is determined by .

- A. checking the loading sheet
- B. loading to within 1 percent of outage
- C. loading to within 10 percent of the safety relief valve setting
- D. filling to the maximum level indicated on the liquid level gaging device

[3093] briefly outlines methods of prediction and the effect of meteorological conditions on tides and they comments on special tidal problems in the area.

- A. Admiralty Manual of Tides (NP120)
- B. Admiralty Tidal Handbooks (NP122 1-3)
- C. Admiralty Tide Tables
- D. Admiralty Tidal Stream Atlases

[3094] A swift current occurring in a narrow passage connecting two large bodies of water which is produced by the continuously changing difference in height of tide at the two ends of the passage is called a(n) .

- A. harmonic current
- B. hydraulic current
- C. rectilinear current
- D. rotary current

[3095] Astronomical refraction causes a celestial body to appear .

- A. to the left of its position in the Northern Hemisphere and to the right in the Southern Hemisphere?
- B. to the right of its position in the Northern Hemisphere and to the left in the Southern Hemisphere
- C. higher than its actual position
- D. lower than its actual position

[3096] The correct way to make an eye in a wire rope with clips is to place the clips with the .

- A. first and third U-bolts on the bitter end and the second U-bolt on the standing part
- B. first and third U-bolts on the standing part and the second U-bolt on the bitter end
- C. U-bolts of all clips on the bitter end
- D. U-bolts of all clips on the standing part

[3097] You are on a containership carrying a tank container that had been filled with sodium hydroxide solution. The container is empty but has not been cleaned. Which, if any, placard is required? .

- A. No placard is required; the tank openings must be sealed
- B. Empty placard with corrosive placard
- C. Residue label with the UN number
- D. Black and white corrosive placard

[3098] In order to determine the trimming arm for your vessel at any particular draft, which of the following would you compare?

- A. Longitudinal center of buoyancy and longitudinal center of gravity
- B. Longitudinal center of floatation and longitudinal center of gravity
- C. Longitudinal center of floatation and longitudinal center of buoyancy
- D. Longitudinal tipping center and longitudinal center of gravity

[3099] In writing up the log book at the end of your watch, you make an error. Which of the following is the way to correct the error?

- A. Carefully and neatly erase the entry and rewrite it correctly
- B. Remove this page of the log book and rewrite all entries on a clean page
- C. Blot out the error completely and rewrite the entry correctly
- D. Cross out the error with a single line and rewrite the entry correctly

[3100] If the coxswain of your lifeboat gives the command HOLD WATER you should .

- A. complete the stroke, raise your oar slightly, swinging the oar slightly forward, and place it in the boat
- B. lift the oar in a vertical position
- C. complete the stroke and hold the oar out of the water
- D. dip the blade of your oar into the water vertically and hold it perpendicular to the keel line

[3101] You have determined that you are in the right semicircle of a tropical cyclone in the Northern Hemisphere. What action should you take to avoid the storm?

- A. Place the wind on the starboard quarter and hold that course
- B. Place the wind on the port quarter and hold that course
- C. Place the wind on the port bow and hold that course
- D. Place the wind on the starboard bow and hold that course

[3102] A mean sun is used as the reference for solar time for three reasons. Which reason is NOT a cause for use of a mean sun?

- A. The motion of the apparent sun is along the ecliptic
- B. Measurement of time is along the celestial equator
- C. The speed of the Earth's revolution is not constant
- D. There are variations in the Earth's rotational speed

[3103] Entering from sea, a daymark on the port side of the channel would be indicated on a chart, by a

- A. red triangle with the letter R
- B. white triangle with the letters RG
- C. green square with the letter G
- D. white square with the letters GR

[3014] Your vessel has been damaged and is partially flooded. The first step to be taken in attempting to save the vessel is

to .

- A. establish flooding boundaries and prevent further spread of flood water
- B. plug the hole(s) in the outer shell
- C. pump out the water inside the vessel
- D. calculate the free surface effect and lost buoyancy to determine the vessel's stability

[3015]A squeeze-grip type carbon dioxide portable fire extinguisher has been partially discharged It should be _____.

- A. replaced in its proper location if weight loss is no more than 15%
- B. replaced in its proper location if weight loss is no more than 25%
- C. labeled empty and recharged as soon as possible
- D. labeled empty and replaced in its proper location regardless of weight

[3016]As an estimation, windage area for a beam wind is obtained by _____.

- A. multiplying length by freeboard and add the area of the bridge front
- B. multiplying beam by freeboard and adding the profile area of the accommodation housing
- C. multiplying beam by freeboard and add the area of the bridge front
- D. multiplying length by freeboard and adding the profile area of the accommodation housing

[3017]Which signal is detected as originating from a SART?

- A. The Morse code distress series S-O-S repeated 3 times followed by DE and the vessel's call sign
- B. A line of blip code on a radar screen outward from the SART's position along its line of bearing
- C. A line of blip code on a radar screen inward from the SART's position to its own ship along its line of bearing
- D. A red line

[3108]You sustain a greater risk of injuring yourself or your shipmate during mooring and unmooring operations than at any other time. So remember _____.

- A. do not wear safety shoes, gloves and an overall with long sleeves
- B. stand as closely as possible in the rope rail
- C. do not work too close to the drum when handling wires/ropes
- D. if the line takes charge, try to stop it with your feet/hands

[3109]To find the cause of a gasoline engine's failure to start, you should _____.

- A. break the joint in the fuel line at the engine and let the gas run in the bilges
- B. disconnect the wires at the spark plugs and make the spark jump the gap
- C. prime the engine with ether through spark plug openings
- D. ventilate the space, then check the battery, spark plugs, carburetor, and fuel line

[3110]Admiralty EasyTide

- A. has little use for ocean-going mariners
- B. permits the mariner to select and simultaneously calculate tidal heights for multiple ports for up to one month
- C. includes periods of daylight and nautical twilight
- D. is supplied in the form of a single CD which contains the calculation program and the seven geographic Area Data Sets (ADS) providing global coverage

[3111] A vessel outbound from a port or pilot station within an inshore traffic zone is recommended to

- A. call at a port, pilot station, destination or sheltered anchorage
- B. use the appropriate lane other than the adjacent traffic separation scheme
- C. use the inshore traffic zone
- D. join the adjacent traffic lane as soon as possible

[3112]The altitude at LAN may be observed by starting several minutes in advance and continuing until a maximum altitude occurs. This procedure should not be used .

- A. when the declination and latitude are of different names
- B. when the declination is greater than and the same name as the latitude
- C. if the vessel is stopped or making bare steerageway
- D. on a fast vessel on northerly or southerly headings

[3113]When using the radar for navigating .

- A. the best Fix is obtained by using a tangent bearing and a range
- B. and using two radar ranges for a fix, the objects of the ranges should be close to reciprocal bearings
- C. and using ranges, the most rapidly changing range should be measured last
- D. and crossing a radar range of one object with the visual bearing of a second object, the two objects should be 80° to 110° apart

[3114]Fire protection regulations for towing vessels require that drills be conducted on board the vessel as if there were an actual emergency. Drills include all of the following, EXCEPT .

- A. testing all alarm and detection systems
- B. breaking out and using the vessel's emergency equipment
- C. participation by selected crew members
- D. one person putting on protective clothing, if the vessel is so equipped

[3115]While the Pilot is maneuvering the vessel to a dock, what is the PRIMARY responsibility of the watch officer?

- A. Insure that helm and throttle orders given by the Pilot are correctly executed
- B. Judge the appropriateness of the Pilot's orders and countermand them if necessary
- C. Supervise the signaling and flag etiquette
- D. Record the bells and their times in the bell book

[3116]In accordance with ISPS Code, the ship security alert system, when activated, shall

- A. initiate and transmit a ship-to-shore security alert to a competent authority designated by the Administration
- B. send the ship security alert to any other ships
- C. raise an alarm on-board the ship
- D. not continue the ship security alert

[3117]Every oil tanker operating with crude oil washing systems shall be provided with

- A. operations and Equipment Manual
- B. specifications for the Design, Operation and Control of Crude Oil Washing Systems
- C. dedicated Clean Ballast Tank Operation Manual
- D. IMDG Code

[3118]In securing a towing cable, consideration must be given to letting go in an emergency. The possible whip of towlines when released can be overcome by

- A. increasing the shaft RPM prior to release
- B. using a pelican hook for quick release
- C. using preventers
- D. using a short chain for the lead through the stern chock

[3119]When a vessel _____, that vessel shall be deemed to be overtaking.

- A. is coming up with another vessel from a direction more than 22.5 degrees abaft her beam
- B. is coming up with another vessel from a direction less than 22.5 degrees abaft her beam
- C. is leaving another vessel from a direction more than 22.5 degrees abaft her beam
- D. is leaving another vessel from a direction less than 22.5 degrees abaft her beam

[3120]If, for any reason, it is necessary to abandon ship while far out at sea, it is important that the crew members should _____

- A. separate from each other as this will increase the chances of being rescued
- B. get away from the area because sharks will be attracted to the vessel
- C. immediately head for the nearest land

D. remain together in the area because rescuers will start searching at the vessel's last known position

[3121]While proceeding to a distress site, you hear the words "Seelonce Mayday" on the radiotelephone. Which action should you take?

- A. Resume base course and speed as your assistance is no longer required
- B. Acknowledge receipt and advise your course, speed, and ETA
- C. Relay the original distress message as no other vessel has acknowledged it
- D. Monitor the radiotelephone but do not transmit

[3122]You are running parallel to the coast and estimate that the current is against you. In plotting a running Fix using bearings from the same object on the coast, the greatest safety margin from in-shore dangers will result if what speed is used to determine .

- A. minimum speed estimate
- B. maximum speed estimate
- C. average speed estimate
- D. a running Fix should not be used under these conditions

[3123]If there is any doubt as to the proper operation of a radar, which statement is TRUE?

- A. Only a radar expert can determine if the radar is operating
- B. All radars have indicator lights and alarms to signal improper operation
- C. A radar range compared to the actual range of a known object can be used to check the operation of the radar
- D. The radar resolution detector must be energized to check the radar

[3124]Under what circumstance is it necessary to extend the sea protest you previously submitted?

- A. At the request of the Harbor Master
- B. On demand of a Notary Public
- C. Where it has been established with certainty that losses and damages are caused by the event as referred to on the previous protest
- D. Where the Master considers it necessary to cover the losses and damages as enumerated by the parties concerned

[3125]A power-driven vessel towing another vessel astern (tow less than 200 meters) shall show

- A. three masthead lights in a vertical line instead of either the forward or after masthead light
- B. two masthead lights in a vertical line instead of either the forward or after masthead lights
- C. two towing lights in a vertical line at the stern
- D. a small white light aft of the funnel

[3126]One of the causes of ocean currents is density differences in the water. This is true because

A. in an area of high density the water's surface is lower than in an area of low density

B. surface water flows from an area of high density to one of low density

C. the lesser the density gradient the freer the water is to move

D. it is the density differences that cause the currents to stay in the troughs

[3127]A ship will always want to settle into a position where .

A. the pivot point and point of influence of wind are not in alignment

B. the pivot point and point of influence of wind are in alignment

C. the point of influence of wind moves depending on the profile of the ship presented to the wind

D. the profile of the ship presenting to the wind will be increased in heavy winds

[3128]As per the standing orders, you should carry out all the following operations except upon having received words that a person has fallen overboard.

A. call the Master immediately

B. stop the engines

C. sound the MAN OVERBOARD signal of 3 prolonged blasts on the whistle and 3 prolonged blasts on the general alarm

D. prepare, as many as possible, rescue facilities, including warm clothes

[3129]Geographic range is the maximum distance at which a light may be seen under .

A. existing visibility conditions, limited only by the curvature of the Earth

B. perfect visibility conditions, limited only by the curvature of the Earth

C. existing visibility conditions, limited only by the intensity of the light

D. perfect visibility conditions, limited only by interference from background lighting

[3130]Which task is NOT the responsibility of the GMDSS Radio Operator?

A. Inspecting and cleaning the SART's container, and clearing the immediate storage area of any debris or obstacles

B. Measuring the SART's transmitted frequency

C. Placing the SART in the test mode and verifying that the nearby PPI shows concentric circles

D. Ensuring the SART's batteries are replaced before their expiration date

[3131]You are attempting to administer CPR to a victim. When you blow into his mouth it is apparent that no air is getting into the lungs. What should you do?

A. Blow harder to force the air past the tongue

B. Raise the victim's head higher than his feet

C. Press on the victim's lungs so that air pressure will blow out any obstruction

D. Re-tip the head and try again

[3132] In the event of fire in a machinery space,

- A. the fixed carbon dioxide system should be used only when all other means of extinguishment have failed
- B. the fixed carbon dioxide system should be used immediately, as it is the most efficient means of extinguishment
- C. water in any form should not be used as it will spread the fire
- D. the space should be opened 5 minutes after flooding CO₂ to prevent injury to personnel

[3133] Which statement about immersion suits is TRUE?

- A. The primary color of the suit's exterior may be red, orange or yellow
- B. The suit must, without assistance, turn an unconscious person's mouth clear of the water within 5 seconds
- C. The suit is flameproof and provides protection to a wearer swimming in burning oil
- D. The suit may be stored in a machinery space where the ambient temperature is 160 °F

[3134] Which statement concerning the lashings of containers with solid bar or wire rope lashings is TRUE?

- A. Stack weights should be less when using a solid bar lashing as compared to a wire lashing
- B. Stack heights may be increased when using a solid bar lashing
- C. Stack heights should be reduced when using a solid bar lashing
- D. Solid bars should be used for lashing the first tier only, with wire lashings on the higher tier(s)

[3135] Your vessel is NOT making way, but is not in any way disabled. Another vessel is approaching you on your starboard beam. Which statement is TRUE?

- A. Your vessel is obligated to stay out of the way
- B. The other vessel must give way. Since your vessel is stopped
- C. You should be showing the lights or shapes for a vessel not under command
- D. You should be showing the lights or shapes for a vessel restricted in her ability to maneuver

[3136] Your ship is carrying hazardous cargo. During a daily inspection, you notice that some of the cargo has shifted and several cases are broken. You should FIRST

- A. call out the deck gang to jettison the cargo
- B. log the facts in the rough log and inform the Chief Mate later
- C. make a determination of the seriousness of the breakage, and do what you think best
- D. report the facts immediately to the Master, who will make a decision

[3137] Which of the following radar contacts will present the most immediate danger?

- A. A vessel on the starboard bow whose bearing is changing and range is decreasing
- B. A vessel on the starboard bow whose bearing is steady and range is increasing
- C. A vessel on the port bow whose bearing is steady and range is decreasing

D. A vessel on the port bow whose bearing is changing to the left and range decreasing

[3138] You are riding to a single anchor. The vessel is yawing excessively. Which action should be taken to reduce the yawing?

- A. Veer chain to the riding anchor
- B. Heave to a shorter scope of chain on the riding anchor
- C. Drop the second anchor at the extreme end of the yaw and veer the riding anchor
- D. Drop the second anchor at the extreme end of the yaw, then adjust the cables until the scope is equal

[3139] A vessel in ocean service that does not have an approved means of processing oily bilge slops or oily ballast must have.

- A. a fixed piping system for ballast discharge to a reception facility
- B. a discharge outlet for the ballast system on each side of the weather deck
- C. one portable adapter for a shore connection to the ballast line
- D. clean holds for use in CBT operations

[3140] Acknowledgement by you of receipt of a distress message from a vessel which, beyond any possible doubt, is not in your vicinity and is a long distance away must be made when .

- A. vessels nearer the distress vessel acknowledge receipt
- B. vessels nearer the distress vessel fail to acknowledge receipt
- C. even you have not received the distress
- D. even the vessel in distress expressly prohibit you from providing any salvage service

[3141] _____ is not a requirement for fastening the pilot ladder.

- A. Lighting shall be provided at night such that both the pilot ladder overside and also the position where the pilot boards the ship shall be adequately lit
- B. Lifebuoy equipped with a self igniting light shall be kept at hand ready for use
- C. A heaving line shall be kept at hand ready for use if required
- D. It is rigged as near as practicable at the finer lines of the ship

[3142] A 95-meter vessel aground sounds which fog signal? .

- A. A rapid ringing of a bell for 5 seconds every two minutes
- B. A whistle signal of one short, one prolonged, and one short blast
- C. A prolonged blast of the whistle at intervals not to exceed one minute
- D. A rapid ringing of a bell for 5 seconds, preceded and followed by three separate and distinct strokes on the bell

[3143] Which statement concerning an automatic towing engine is FALSE?

- A. It automatically maintains tow line tension
- B. It prolongs the life of the hawser by distributing chafing as the hawser is paid out and taken in
- C. As tension on the hawser increases, more line is taken in by the automatic towing engine
- D. As tension on the hawser decreases, more line is taken in by the automatic towing engine

[3144]___ is not a proper procedure of winch operations.

- A. To keep loads as low to the coaming as possible
- B. To avoid severe tightening of even very light loads
- C. To keep the heads of the two booms as close together and as high as possible to reduce the tension on the falls and the guys
- D. To keep an electric winch turned on if it becomes necessary to walk away from the controls

[3145]While towing, what is the principal danger in attempting to swing a barge on a hawser in order to slow the barge's speed? .

- A. The barge may swing too quickly and run over the tug
- B. The barge may pass under the hawser and capsize the tug
- C. Free surface effect of liquid inside the barge may rupture the barge bulkheads when turning too quickly
- D. Dangerous wakes may result from the swinging barge and capsize the tug

[3146]In which voyage, between two points, is the rhumb line distance NOT approximately the same as the great circle distance?

- A. The two points are in low latitudes in the same hemisphere
- B. The two points are in high latitudes in the same hemisphere
- C. The two points are near the equator, but in different hemispheres
- D. One point is near the equator, one point is in a high latitude, and both are near the 180th meridian

[3147] A sailing vessel is overtaking a steam vessel in a fairway on International waters, so as to pass on the steam vessel's port side. The sailing vessel is the .

- A. privileged vessel and would sound two short blasts
- B. burdened vessel and would sound two prolonged blasts followed by two short blasts
- C. burdened vessel and would sound no whistle signal
- D. privileged vessel and would sound no whistle signal

[3148]Your vessel is NOT making way, but is not in any way disabled. Another vessel is approaching you on your starboard beam. Which statement is TRUE?

- A. Your vessel is obligated to stay out of the way

- B. The other vessel must give way, since your vessel is stopped
- C. You should be showing the lights or shapes for a vessel not under command
- D. You should be showing the lights or shapes for a vessel restricted in her ability to maneuver

[3149] What does the term end-for-end refer to in regard to a wire towing hawser? .

- A. Cutting off the bitter and towing ends of the wire rope
- B. Splicing two wire ropes together
- C. Removing the wire rope from the drum and reversing it so that the towing end becomes the bitter end
- D. Removing the wire rope from the drum and turning it over so that the wire bends in the opposite direction when rolled on a drum

[3150] You are proceeding along the right bank of a narrow channel aboard a right-handed single-screw vessel. The vessel starts to sheer due to bank suction/cushion effect. You should .

- A. stop engines and put the rudder left full
- B. back full with rudder amidships
- C. decrease speed and put the rudder right full
- D. increase speed and put the rudder right full

[3151] A liferaft which has inflated bottom-up on the water

- A. should be righted by standing on the carbon dioxide cylinder, holding the righting straps, and leaning backwards
- B. should be righted by standing on the life line, holding the righting straps, and leaning backwards
- C. will right itself when the canopy tubes inflate
- D. must be cleared of the buoyant equipment before it will right itself

[3152] A pumproom is suspected of accumulating gases after a ventilation machinery breakdown. Where should the combustible gas indicator case be placed when testing the pumproom atmosphere for combustible gases?

- A. In the lower level of the pumproom
- B. In the middle level of the pumproom
- C. In the upper level of the pumproom
- D. On the deck outside the pumproom

[3153] Downwind for 1 mile, alter to starboard 90 degrees, go down this course for 1 mile; Then alter 90 degrees to starboard and go down this course for 2 miles; Then alter 90 degrees to starboard and go down this course for 2 miles; Keep adding 1 mile every time you alter to starboard. This operation is search pattern.

- A. Williamson turn
- B. parallel
- C. sector
- D. expanded

[3154] At the magnetic equator there is no induced magnetism in the vertical soft iron because

- A. the lines of force cross the equator on a 0°-180° alignment
- B. the quadrantal error is 0°

- C. there is no vertical component of the Earth's magnetic field
- D. the intercardinal headings have less than 1° error

[3155] All following items except are contained in the description of the duties assigned to crew members to carry out in relation to passengers during an emergency.

- A. warning the passengers of the emergency
- B. assembling the passengers at their designated muster stations
- C. ensuring that a supply of blankets is taken to the survival craft
- D. the substitutes for key persons who may become disabled

[3156] A vessel constrained by her draught shall, when risk of collision with another vessel in a crossing or head-on situation exists,

- A. apply the relevant Steering and Sailing Rules as a power-driven vessel
- B. apply the relevant Steering and Sailing Rules as a Sailing vessel
- E. apply the relevant Steering and Sailing Rules as a vessel not under command
- F. apply the relevant Steering and Sailing Rules as a vessel engaged in a towing operation

[3157] What is usually the first step for a GMDSS Radio Operator to take when initiating a distress priority message via INMARSAT?

- A. Dialing the correct code on the telephone remote unit
- B. Pressing a "distress button" on the equipment
- C. Contacting the CES operator and announcing a distress condition is in existence
- D. Contacting the CES operator using the radiotelephone distress procedure "Mayday" . . . etc

[3158] Which of the following is the reason that the metacentric height is a valid measure of only the initial stability?

- A. The metacenter does not remain in the same position for large angles of inclination
- B. The center of gravity shifts due to inclination
- C. The center of gravity shifts above the metacenter as the vessel is inclined
- D. The mean draft will change as the vessel is inclined

[3159] Electric cargo winches have an overload safety device which normally cuts the current to the winch motor .

- A. after torque causes line pull to exceed the rated capacity of the winch
- B. before the line pull reaches the rated capacity of the winch
- C. when the line pull reaches the breaking strength of the fall
- D. before the safe working load of the fall is reached

[3160] You are about to go to sea and adjust the magnetic compass. To expedite the adjustment at sea, in what order

should the following dockside adjustments be made?

- A. Flinders bar first, then the heeling magnet and spheres
- B. Heeling magnet first, then the Flinders bar and spheres
- C. Flinders bar first, then the spheres and heeling magnet
- D. Spheres first, then the Flinders bar and heeling magnet

[3161] A bridge over a navigable waterway is being repaired. There is a traveller platform under the bridge's deck that significantly reduces the vertical clearance. If required by the CG district commander, how will this be indicated at night?

- A. Illumination by flood lights
- B. A quick flashing red light at each lower corner
- C. A strobe light visible both up and downstream
- D. Fixed amber lights under the extreme outer edges of the traveller

[3162] For which of the following cases is not necessary for ECDIS to give an alarm?

- A. When the specified limit for deviation from the planned route is exceeded
- B. If the ship, within a specified time set by the watch officer, is going to cross a safety contour
- C. If the ship, within a specified time set by the watch officer, is going to cross the boundary of a prohibited area
- D. Waterline of the ship is rising above its normal loadline

[3163] _____ refers to the stowage of cargo in a block of two or more adjoining cargo holds with the cargo holds adjacent to the block of loaded cargo holds empty.

- A. Alternate hold loading condition
- B. Block hold loading condition
- C. Part hold loading condition
- D. Homogeneous hold loading condition

[3164] A man has suffered a burn on the arm. There is extensive damage to the skin with charring present. How is this injury classified using standard medical terminology?

- A. Dermal burn
- B. Third-degree burn
- C. Major burn
- D. Lethal burn

[3165] How is the external flotation bladder of an immersion suit inflated?

- A. It is inflated by a small CO₂ bottle that is automatically tripped when the front zipper is at the top of the zipper track
- B. It is inflated by a small CO₂ bottle that is manually tripped
- C. It is inflated by blowing through an inflation tube
- D. It inflates by seawater bleeding into the inflation bladder and reacting with a chemical

[3166] How do you take a running fix?

- A. By measuring the angle between two fixed landmarks and finding the sine of the angles

- B. By taking bearings from a landmark at time intervals and finding the sine of the angles
- C. By taking bearings from a landmark at a time interval and measuring the distance covered in the interval
- D. By taking the relative bearings from 2 sets of landmarks and plotting the difference

[3167] A vessel constrained by her draft may display .

- A. three all-round red lights instead of the lights required for a power-driven vessel of her class
- B. the same lights as a vessel restricted in her ability to maneuver
- C. three all-round red lights in addition to the lights required for a power-driven vessel of her class
- D. the lights for a power-driven vessel which is not under command

[3168] You are aboard a right-handed single-screw vessel with headway on. The engine is put full astern and the rudder hard left. What will the bow do?

- A. It will swing to the left, and will swing left faster as the vessel loses way
- B. It will swing to the left, straighten out and then swing to the right as the vessel loses way
- C. It will swing to the left without increasing or decreasing its swing
- D. The bow will swing to the right

[3169] Battens are fitted in cargo holds across the frames of the vessel from the turn of the bilge upward. The purpose of these cargo battens is ____.

- A. for securing a snatch block when snaking cargo into the wings of the hold
- B. to prevent cargo from coming in contact with the vessel's frames or shell plating
- C. to provide fittings to which cargo lashings may be secured
- D. to support the dunnage floors which are laid down between tiers of cargo

[3170] My vessel will be able to take 200 metric tone of cargo { in addition to} the previous figure of my declaration.

- A. except B. additional C. besides D. except for

[3171] _____ is not an advice to be observed when samples are taken in tanks containing volatile petroleum products.

- A. Filter masks with a combination filter should be brought and used whenever necessary
- B. Only explosion-proof equipment (marked eex) should be used
- C. Avoid breathing petroleum gases, especially if they come from sour crude (smell of rotten eggs)
- D. So far as possible, take early and substantial action to keep well clear

[3172] A mercurial barometer at sea is subject to rapid variations in height (pumping) due to the pitch and roll of the vessel. To avoid this error, measurements of atmospheric pressure at sea are usually measured with a(n)

- A. syphon barometer B. cistern barometer C. aneroid barometer D. fortin barometer

[3173] The owner or Master of a towing vessel shall ensure that each person that directs and controls the movement of the vessel can accomplish all of the following EXCEPT _____

- A. evaluate the danger of each closing visual or radar contact
- B. adjust speed with due regard for the weather and visibility
- C. reduce speed only where local speed limits are posted
- D. enter all required test and inspection results in the vessel's log or other record carried on board

[3174] A vessel is proceeding from a very cold climate to a warm climate. With a cargo of non-hygroscopic nature, which of the following is correct?

- A. There is danger of heavy cargo sweat if outside air is introduced by ventilation
- B. Danger of the ship sweat exists. Constant and vigorous ventilation is required
- C. There is little danger of ship's sweat; slight possibility of cargo sweat
- D. The possibility of any ship or cargo sweat is remote

[3175] In the Northern Hemisphere, your vessel is believed to be in the direct path of a hurricane, and plenty of sea room is available. The best course of action is to bring the wind on the

- A. starboard bow, note the course, and head in that direction
- B. starboard quarter, note the course, and head in that direction
- C. port quarter, note the course, and head in that direction
- D. port bow, note the course, and head in that direction

[3176] How would you pass a red buoy in the maritime buoyage system "A"?

- A. Keep the buoy on the vessel's starboard side when approaching a port and on the vessel's port side when leaving
- B. Keep the buoy on the vessel's port side when approaching a port and on the vessel's starboard side when leaving
- C. Keep the buoy on the vessel's starboard side when approaching and leaving
- D. Keep the buoy on the vessel's port side when approaching and leaving

[3177] Your vessel is damaged and listing to port. There is a short rolling period around the angle of list. The port side freeboard is reduced to 1 foot. There is no trim and the weather is calm. You should FIRST _____.

- A. press up a slack double bottom tank on the port side
- B. fill an empty centerline double bottom tank
- C. pump out a slack marine portable tank located on the portside amidships
- D. jettison the anchors and anchor cables

[3178] Your ARPA has automatic speed inputs from the log. Due to currents, the log is indicating a faster speed than the

speed over the ground. What should you expect under these circumstances? ____

- A. The generated CPA will be less than the actual CPA
- B. The generated TCPA will be later than the actual TCPA
- C. The range of initial target acquisition will be less than normal
- D. The targets true course vector will be in error

[3179] Where a risk of attack has been identified, _____ is not an item that shall be advised by the Contracting Government concerned to the ships concerned and their Administrations.

- A. the current security level
- B. any security measures that should be put in place by the ships concerned to protect themselves from attack
- C. security measures that the coastal State has decided to put in place
- D. arrangement of military forces on coast concerned.

[3180] With regard to the opening and closing of watertight integrity appliances not fitted with a remote operating control or alarm system, what must the Master or person in charge of a ship enter in the logbook? .

- A. The time required to close the appliances
- B. The reason for opening or closing each appliance
- C. The name of the person performing the opening and closing of such appliances
- D. The fact that the hull indicators functioned or not

[3181] While proceeding towards a distress site you hear the message PRU-DONCE over the radio/telephone. Which action should you take?

- A. Advise the sender of your course, speed, position, and ETA at the distress site
- B. Resume base course and speed because the distress is terminated
- C. Shift your radio guard to the working frequency that will be indicated in the message
- D. Use that frequency only for restricted working communications

[3182] Which procedure should be followed when individuals are rescued in cold climates and suffer from hypothermia?

- A. Give them brandy or other alcoholic stimulation to promote a return to an acceptable body temperature
- B. Move them to a warm room to gradually raise their body temperature
- C. Keep them moving to stimulate circulation to raise their body temperature
- D. Warm them under an electric blanket to rapidly regain normal body temperature

[3183] In order to detect rot in manila lines, you should _____ .

- A. feel the surface of the line for broken fibers

- B. measure the reduction in circumference of the line
- C. observe any mildew on the outer surface
- D. open the strands and examine the inner fibers

[3184] You are approaching another vessel and see that it has the signal flag "O" hoisted. What is your next action? A.

Proceed on present course and speed since the vessel is requesting a pilot

- B. Attempt to call the vessel on VHF radiotelephone and begin a search because the vessel has a man overboard
- C. Attempt to call the vessel on VHF radiotelephone because it is disabled
- D. Approach with caution because the vessel is stopped and making no way through the water

[3185] Unless it is unavoidable do not jump from a place higher than 5 meters into the water. Try to minimize the shock of sudden cold immersion. When should the said caution be taken into account?

- A. The mariners try to put out fire on board of vessel
- B. The people on board try to survive themselves from a ship in perils
- C. The salvors take actions to rescue the survivors at sea
- D. The pilot come on board from his boat in bad weather

[3186] The difference between local apparent time (LAT) and local mean time (LMT) is indicated by

- A. equation of time
- B. difference of longitude between the local and central meridian in time units
- C. longitude in time units
- D. zone description

[3187] Why are symmetric mooring patterns frequently used to keep ship's on station? .

- A. All lines contribute to the holding power of the mooring system
- B. Environmental forces will probably vary in direction during the time the ship is on station
- C. Environmental forces will probably come from the same direction during the time the ship is on station
- D. Governmental regulations require this mooring pattern unless an exemption is issued

[3188] A person has suffered a laceration of the arm. Severe bleeding has been controlled by using a sterile dressing and direct pressure. What should you do next? ____ .

- A. Apply a tourniquet to prevent the bleeding from restarting
- B. Apply a pressure bandage over the dressing
- C. Remove any small foreign matter and apply antiseptic
- D. Administer fluids to assist the body in replacing the lost blood

[3189] You are stopped with no way upon your vessel at the pilot station. Your vessel is a large twin-screw. You must come

around 180° to board your Pilot. How should you use the engines and rudder to turn the ship fastest in the least amount of space?

- A. Full ahead on the engines and hard over rudder
- B. Full ahead on one engine, full astern on the other
- C. Half ahead with hard over rudder, then full astern on inboard engine
- D. Slow ahead with hard over rudder

[3190] Fires of which class would most likely occur in the engine room of a vessel?

- A. Classes A and B
- B. Classes B and C
- C. Classes C and D
- D. Classes A and D

[3191] _____ is not a process of inerting.

- A. The introduction of inert gas into a tank with the object of reducing the oxygen content to be?low 8% by volume
- B. The introduction of inert gas into a gas free tank for the purpose of reducing the oxygen content to below 8% by volume
- C. The introduction of inert gas into a cargo tank during cargo discharge to replace the volume of discharged cargo
- D. The gas freeing operation on board of oil tankers

[3192] If you must jump from a ship, your posture should include _____.

- A. holding down the life preserver against the chest with one arm crossing the other, covering the mouth and nose with a hand, and feet together
- B. knees bent and held close to the body with both arms around legs
- C. body straight and arms held tightly at the sides for feet first entry into the water
- D. both hands holding the life preserver below the chin, with knees bent, and legs crossed

[3193] The anchors should be dropped well out from the pier while at a Mediterranean moor to _____.

- A. eliminate navigational hazards by allowing the chain to lie along the harbor bottom
- B. increase the anchor's reliability by providing a large catenary in the chain
- C. permit the ship to maneuver in the stream while weighing anchors
- D. prevent damage to the stern caused by swinging against the pier in the approach

[3194] How do the height and location of a tug's towing bitts relate to the danger of tripping?

- A. The further forward and closer to amidships the more readily the tug will trip
- B. Placement further aft permits more effective pulling, better steering and eliminates the danger of tripping
- C. Installing the bitts down low lowers the center of gravity
- D. The height and position of towing bitts has no significance

[3195] Which step should be taken, if possible, when the vessel must be abandoned because of a distress situation? A.

Alert the Coast Guard by using the survival craft's portable INMARSAT unit

B. Program the SART and EPIRB to transmit the vessel's location and situation

C. Place the SART and EPIRB in the "ON" position and secure them to the survival craft

D. No additional steps are needed as the SART and EPIRB will both automatically float free and operate properly

[3196] You are approaching another vessel and see that she has the signal flag "J" hoisted. What should you do?

A. Keep well clear of the vessel because she is on fire and has dangerous cargo on board or she is leaking dangerous cargo

B. Attempt to call the vessel on VHF radiotelephone because she is requesting to communicate

C. Approach the vessel with caution because she is dragging her anchor

D. Proceed on present course and speed since the vessel is requesting a tug

[3197] In the Northern Hemisphere, what type of cloud formations would you expect to see to the west of an approaching tropical wave?

A. Cumulus clouds lined up in rows extending in a northeast to southwest direction

B. High altostratus clouds in the morning hours

C. Cirrostratus clouds lined up in rows extending in a northeast to southwest direction

D. Cirrostratus clouds lined up in rows extending in a north to south direction

[3198] All the following except _____ are factors which shall be taken into account by the master To determine the proper composition of the navigational watch.

A. visibility, state of weather and sea

B. traffic density, and other activities occurring in the area in which the vessel is navigating

C. the stability of the ship when heavy cargo or containers are loaded on deck

D. the attention necessary when navigating in or near traffic separation schemes or other routing measures

[3199] Your vessel is anchored in an open roadstead with three shots of chain out on the port anchor. The wind freshens considerably and the anchor begins to drag. Which action should you take FIRST?

A. Drop the starboard anchor short with about one shot of chain

B. Sheer out to starboard using the rudder, then drop the starboard anchor with about four shots of chain

C. Put the engines slow ahead to help the anchor

D. Veer out more chain on the port anchor

[3200] What does a SART signal sound or look like?

A. It transmits "SOS" and the vessel's name and position in slow speed Morse Code

B. It will appear on a radar unit's PPI as a line of dots radiating outward with the innermost dot indicating the SART's

position

C. It will appear on a radar unit's PPI as a line of dots radiating outward with the outermost dot indicating the SART's position

D. Magenta line

[3201] is not contained in the muster list.

A. The details of how the order to abandon ship is given

B. The details of the general emergency alarm signal, the fire alarm signal and the public address system

C. The substitutes for key persons who may become disabled

D. The various fire sections enclosed by A Class divisions

[3202] Except for N-S courses, and E-W courses on the equator, a great circle track between two points, when compared to a rhumb line track between the same two points, will

A. always be nearer to the equator

B. always be nearer to the elevated pole

C. be nearer to the pole in the Northern Hemisphere and nearer to the equator in the Southern Hemisphere

D. be nearer to the pole or the equator depending on the latitudes of the arrival and departure positions

[3203] gives a description of the combined Cardinal and Lateral Buoyage system including textual and diagrammatic explanations of the five types of marks: lateral, cardinal, isolated danger, safe water and special marks.

A. Ocean Passages for the World (NP136)

B. Symbols and Abbreviations used on Admiralty Charts, Chart 5011

C. IALA Maritime Buoyage System (NP735)

D. The Mariners Handbook (NP100)

[3204] You are 5 m off a pier and docking a vessel using only a bow and stern breast line. Once the slack is out of both lines you begin to haul in on the bow breast line. What is the effect on the vessel?

A. The bow will come in and the stern will go out

B. The bow will come in and the stern will remain the same distance off the pier

C. The whole ship moves toward the dock

D. The stern will come in and the bow will remain the same distance off the pier

[3205] The painter which is to be attached to the thwart of a lifeboat should

A. be fitted at the end with an approved safety shackle

B. have a long eye splice at the end, and a shackle and pin should be attached to the painter with a lanyard

C. have a long eye splice at the end, and a hardwood toggle should be attached to the thwart with a lanyard

D. be fitted with a swivel and quick-releasing pelican hook

[3206] Denial of entry into port or expulsion from port shall only be imposed where the officers duly authorized by the Contracting Government have clear grounds to believe that the ship poses _____ to the security or safety of persons, or of ships or other property and there are no other appropriate means for removing that threat.

A. an immediate threat B. relative hazard C. big risk D. absolute damage

[3207] You have been observing your radar screen and notice that a contact on the screen has remained in the same position, relative to you, for several minutes. Your vessel is making 10 knots through the water. Which statement is TRUE?

- A. The contact is dead in the water
- B. The contact is on the same course and speed as your vessel
- C. The contact is on a reciprocal course at the same speed as your vessel
- D. The radar is showing false echoes and is probably defective

[3208] _____ of the following need NOT be entered in the Official Logbook?

- A. The testing of the internal combustion engine driven emergency generators at least once each month the vessel is navigated
- B. The testing of storage batteries for emergency lighting and power systems once each 6 months the vessel is navigated
- C. The actual draft when the vessel arrives in salt water after departing a port
- D. The testing of the line-throwing appliance once every 3 months

[3209] Every existing product carriers of 40,000 tons deadweight and above shall be provided with segregated ballast tanks and shall comply with the specified requirements, or, alternatively, operate with _____ in accordance with the convention.

- A. crude Oil Washing B. dedicated clean ballast tanks
- C. cargo tank cleaning system D. oil record book

[3210] _____ anything provided for in Clause 7 and 8 of this bill of lading and subject to Clause 17. if it can be proved where the loss or damage occurred the carrier and the merchant shall, as to the liability of the carrier, be entitled to require such liability to be determined by the provisions contained in any relevant international convention or national law.

- A. Notwithstanding B. Whatsoever C. Whereabout D. Nevertheless

[3211] You are on watch and the Pilot has the conn. The Master has temporarily gone below. The Pilot orders a course change which you are certain will put the vessel into imminent danger. Your first action should be to _____.

- A. countermand the order and immediately notify the Master
- B. make an appropriate entry in the deck log concerning the Pilot's order
- C. immediately call the Master and await further orders from him

D. immediately sound a short ring on the general alarm

[3212] Which statement about immersion suits is TRUE? .

A. Prior to abandonment, the suit allows body movement such as walking, climbing a ladder and picking up small objects

B. The immersion suit seals in body heat and provides protection against hypothermia for weeks

C. The suit is flameproof and provides protection to the wearer while swimming through burning oil

D. The wearer of the suit is severely restricted and requires twice the time to climb a ladder than without the suit

[3213] Your vessel is damaged and is listing to port. The rolling period is short. There is sufficient freeboard so that deck edge submersion is not a problem. What corrective action should be taken FIRST in regard to the vessel's stability? .

A. Press up any slack double-bottom tanks to eliminate free surface

B. Flood any empty double-bottom tanks to add weight low and down

C. Jettison topside weights to reduce KG and KB

D. Shift any off-center weights from port to starboard

[3214] While your vessel is docked port side to a wharf, a sudden gale force wind causes the vessel's bow lines to part. The bow begins to fall away from the dock, and no tugs are immediately available. Which measure (s) should you take FIRST?

A. Call the Master and the deck gang

B. Slip the stem lines, let the vessel drift into the river, and then anchor

C. Let go the starboard anchor

D. Obtain assistance and attempt to put some new bow lines out

[3215] How can rescue personnel detect that a SART is transmitting in the immediate vicinity?

A. The SART's blips on the PPI will begin arcing and eventually become concentric circles

B. The DSC unit will react to the SART's signal and respond with the two-tone alarm

C. The SART can provide an approximate location to within a two nautical mile radius, per IMO standards

D. The SART signal appears as a target which comes and goes as the effect of heavy swells on a SART

[3216] You are on a vessel that cannot comply with the spacing requirement for masthead lights. What is required in this situation?

A. The vessel must carry only the lights that comply with the rules; the others may be omitted

B. The vessel's lights must comply as closely as possible, as determined by her government

C. The vessel must be altered to permit full compliance with the rules

D. An all-round light should be substituted for the after masthead light and the stern light

[3217] A block and tackle is "rove to advantage". This means that the .

- A. blocks have been overhauled
- B. hauling parts of two tackles are attached
- C. hauling part leads through the movable block
- D. hauling part leads through the standing block

[3218] What is the most appropriate action for a GMDSS radio operator to take in a distress situation where immediate help is needed, but the vessel is not sinking nor needs to be abandoned?

- A. Switch off EPIRB and SART manually
- B. Transmit distress call by MF/HF, VHF or INMARSAT
- C. Notify the RCC through VHF FM on channel 13
- D. Transmit distress call by activating the radiotelegraph automatic alarm signal

[3219] Which statement is TRUE, according to the Rules?

- A. A vessel not under command shall keep out of the way of a vessel restricted in her ability to maneuver
- B. A vessel not under command shall avoid impeding the safe passage of a vessel constrained by her draft
- C. A vessel constrained by her draft shall keep out of the way of a vessel engaged in fishing
- D. A vessel engaged in fishing while underway shall, so far as possible, keep out of the way of a vessel restricted in her ability to maneuver

[3220] You are plotting a running fix. The LOP to be run forward is an arc from a radar range, what technique should be used?

- A. The arc should be converted into a straight line using offsets and then run forward
- B. An arc should never be run forward
- C. The position of the object observed should be advanced swung using the radius of the old arc
- D. The distance between LOP's should be added to the radar range and a new arc swung

[3221] At sea, you are approaching a small vessel and see that it has the signal flag P hoisted. What should you do?

- A. Proceed on present course and speed since the vessel is stopped and making no way through the water
- B. Keep clear of the vessel because it has a diver down
- C. Attempt to call the vessel on VHF radiotelephone because someone on board requires medical assistance
- D. Approach with caution because the vessel is a fishing vessel and its nets are fouled on an obstruction

[3222] A twin-screw vessel with a single rudder is making headway. The engines are full speed ahead. There is no wind or current. Which statement is FALSE?

- A. If one screw is stopped, the ship will turn toward the side of the stopped screw

- B. The principal force which turns the ship is set up by the wake against the forward side of the rudder
- C. Turning response by use of the rudder only is greater than on a single-screw vessel
- D. With the rudder amidships, the ship will steer a fairly steady course

[3223] You are Master of a towing vessel engaged in towing three barges astern. The middle barge of the tow would be required to sound which of the following during restricted visibility?

- A. No fog signal
- B. A prolonged blast at intervals never to exceed more than two minutes
- C. A prolonged blast followed by two short blasts at intervals never to exceed more than two minutes
- D. A prolonged blast followed by three short blasts at intervals never to exceed more than one minute

[3224] You are advised to enter the traffic route at about 1730 hours, because a vessel is scheduled to enter at the time when you intended to enter. What can you understand from this seaspeak?

- A. It's a warning of navigation for my vessel
- B. It's an advice from Port Control to order my vessel not enter the traffic route of the harbor
- C. It's an advice to change my estimated time of entering the traffic route
- D. It's an order from the VTS to indicate my vessel to follow the traffic route

[3225] Which statement about entry into a water ballast tank that has been sealed for a long time is TRUE?

- A. A "buddy system" should be used where someone enters the tank with you
- B. Sea water acts on the ship's metal and generates chlorine gas which may accumulate in poisonous quantities
- C. You should always wear a gas mask
- D. After ventilation and testing, and the tank is found safe for entry, someone should stand by at the tank entrance while you are inside

[3226] When using horizontal sextant angles of three objects to fix your position, an indeterminate position will result in which situation?

- A. The objects lie in a straight line
- B. The vessel is inside of a triangle formed by the objects
- C. The vessel is outside of a triangle formed by the objects
- D. A circle will pass through your position and the three objects

[3227] Your vessel is damaged, and there is no list or trim. The rolling period is short. The freeboard before the damage was 3.7 meters. It is now reduced to 1 meter. Which action would you take FIRST?

- A. Press up a slack centerline double bottom tank
- B. Pump out an amidships centerline ballast tank

- C. Transfer ballast from the peak tanks to an amidships centerline tank
- D. Pump out the marine portable tank located on the starboard side amidships

[3228] Which of the following is the chief problem encountered when surging synthetic mooring lines on the gypsy head during mooring operations?

- A. The lines may jam and then jump off the gypsy head
- B. If there is sudden strain on the line, the man tending the line may be pulled into the gypsy head
- C. The line's surging may cause the vessel to surge
- D. The heat generated may cause the lines to temporarily fuse to the gypsy head

[3229] Your ship is listing 4° to port and has a short rolling period. There is loose firefighting water in the hull. The ship is trimmed down by the head with one foot of freeboard at the bow. Which action should you take FIRST?

- A. Press up the slack NO. 1 starboard double bottom tank
- B. Pump out the forepeak tank
- C. Eliminate the water in the tween decks aft
- D. Jettison stores out of the paint locker in the forecabin

[3230] Which statement concerning current is TRUE?

- A. Current can be determined by measuring the direction and distance between simultaneous EP and DR positions
- B. The drift of the current should be averaged out on a one hour basis
- C. After the current is determined, it should not be used for further plotting because it is an unknown variable
- D. The distance between a simultaneous DR position and Fix is equal to the drift of the current

[3231] A breeches buoy is being rigged from the shore to a stranded vessel. The initial shot line passed to the vessel is normally made fast to a .

- A. hawser which is used to pass a tail-block and whip to the vessel
- B. hawser with breeches buoy and harness attached
- C. hawser which should be made fast to the vessel below the intended location of the tail-block
- D. tail-block and whip which may be used to pass a hawser to the vessel

[3232] The action necessary to transfer the steering control from the wheelhouse to local control in order to use the steering gear room trick wheel, is to .

- A. align the trick wheel to the rudder angle position
- B. set the six-way control valve in the trick wheel position
- C. open the power transfer switch before engaging the trick wheel
- D. always place the rudder in the midship position to engage the trick wheel

[3233]How can vessel personnel detect the operation of a SART in its vicinity?

- A.A unique radar signal consisting of a blip code radiating outward from a SART's position along its line of bearing
- B.A unique two tone "warbling" signal heard on VHF-FM ch-70
- C.A unique two tone alarm signal heard upon the automatic unmuting of the 2182 kHz radio/telephone automatic watch receiver
- D. The SART signal appears as a target which comes and goes as the effect of heavy swells on the SART

[3234] A conscious victim who has suffered a blow to the head has symptoms that indicate the possibility of concussion.

If the patient feels no indication of neck or spine injury, recommended treatment would include .

- A. turning the victims' s head to the side to keep his airway open
- B. positioning the victim so the head is lower than the body
- C. giving the victim water if he is thirsty, but no food
- D. elevating the head and shoulders slightly with a pillow

[3235]You are approaching another vessel and see that she has the signal flag "W" hoisted. What should you do?

- A. Proceed on present course and speed since the vessel is stopped and making no way through the water
- B. Attempt to call the vessel on VHF radiotelephone because she is disabled
- C. Attempt to call the vessel on VHF radiotelephone because someone on board requires medical assistance
- D. Proceed on present course and speed since the vessel is declaring that she is healthy and requests free pratique

[3236]You are on a large vessel fitted with a right-handed controllable-pitch propeller set at maximum forward pitch.

Which statement about reversing is TRUE?

- A. When the pitch is reversed, the stern will slew to port even with headway
- B. The vessel will respond to the rudder until sternway is developed, then the stem will slew to starboard
- C. There will probably be a loss of steering control
- D. The vessel will have full rudder control throughout the speed change from ahead to astern

[3237]Buoys are marked with reflective material to assist in their detection by searchlight. Which statement is TRUE?

- A. A safe-water buoy will display red and white vertical stripes of reflective material
- B. All reflective material is white because it is the most visible at night
- C. A special-purpose mark will display either red or green reflective material to agree with its shape
- D. A preferred-channel buoy displays either red or green reflective material to agree with the top band of color

[3238]Your-vessel is equipped with totally enclosed lifeboats. Which statement is TRUE when the boat is enveloped in flames?

- A. The ventilators will automatically close by the action of fusible links

- B. The motor takes its air supply from outside the lifeboat to prevent asphyxiation of the crew
- C. A water spray system to cool the outside of the boat is operated by a high-volume manual pump
- D. An air tank will provide about ten minutes of air for the survivors and the engine

[3239] You are approaching an open drawbridge and sound the proper signal. You receive no acknowledgment from the bridge. Which action should you take?

- A. Approach with caution and proceed through the open draw
- B. Approach under full control to a position no closer than 400 yards from the bridge and await a signal from the bridge
- C. Hold in the channel as a vessel is closing the bridge from the other direction
- D. Resound the opening signal and do not pass through the bridge until signals have been exchanged

[3240] Which statement about stopping a vessel is TRUE?

- A. A lightly laden vessel requires as much stopping distance as a fully laden vessel when the current is from astern
- B. A vessel is dead in the water when the back wash from astern operation reaches the bow
- C. A tunnel bow thruster can be used in an emergency to reduce the stopping distance
- D. When a vessel is dead in the water any speed displayed by Doppler log reflects the current

[3241] You are on a 50.3 meters long vessel with a draft of 2.7 meters and twin screws. Which statement about rescuing a survivor in the water with ship pickup is TRUE?

- A. You should stop to windward of the man and drift down on him
- B. You should stop with the man on your weather beam and twist the ship up to him
- C. A pickup off the weather bow gives maximum maneuverability with the least possibility of injury to the man
- D. Ship pickup should never be used with a shallow draft vessel

[3242] Besides saving distance along the track line, another advantage of the Scharnow Turn over the Williamson Turn in a man overboard situation is that .

- A. it is faster
- B. it can be used in both the immediate action and the delayed action situations
- C. in fog, if the turn is started as soon as the man goes over, the vessel will be at the point where he went over when the turn is completed
- D. it returns the vessel to the original track line on a reciprocal course

[3243] If a GMDSS radio operator initiates a DSC distress transmission but does not insert a message, what happened?

- A. The transmission is aborted and an alarm sounds to indicate this data must be provided by the operator
- B. The transmission is not initiated and "ERROR" is indicated on the display readout

C. The transmission will be made with "default" information provided automatically

D. The receiving station will poll the DSC unit of the vessel in distress to download the necessary information

[3244]Your vessel is damaged and on an even keel. There is no trim. The freeboard is reduced to less than 1 foot. The rolling period is very long, and the vessel is sluggish in returning from a roll. Which action would you take FIRST to improve stability?

A. In calm seas lower the lifeboats to the water and keep them alongside

B. Rig the jumbo boom and use it to jettison heavy deck cargo

C. Press up a centerline double bottom that is now filled to 15% capacity

D. Pump out the peak tanks simultaneously

[3245]Your vessel has anchored in a channel known to have strong tidal currents. To check your position you take a round of bearings, one of which is a range in line. One hour later the bearing on the lights in range opens up. This indicates the ship is

A. swinging

B. dredging her anchor

C. taking bearings of the lights

D. taking distances of the lights

[3246]You are on watch entering port while the pilot has the conn. The pilot gives a steering command to the helmsman who partially repeats the command. You should immediately

A. repeat the Pilot's command and ensure that the helmsman repeats it completely

B. ask the Pilot to repeat the command since the helmsman failed to hear it completely

C. observe the helmsman's wheel action to be sure that it complies with the Pilot's command

D. ignore the helmsman's response as long as it was close to what the Pilot ordered

[3247]You are on a containership. Which statement about the stowage of hazardous materials in containers is TRUE? A.

The containers provide automatic segregation of hazardous materials except for Class I explosives

B. All packages within a container must be marked This End Up to indicate the correct stowage

C. A refrigerated container with a fuel tank containing a flammable liquid must be stowed on deck

D. Packages of liquids within a container should be stowed on top of packages of solids to prevent crushing

[3248] Admiralty TotalTide .

A. an on-line tidal prediction service provided by the UKHO and intended primarily for the leisure mariner

B. does not permit the mariner to select and simultaneously calculate tidal heights for multiple ports for up to seven days

C. does not include periods of daylight and nautical twilight, moon phases and a springs and neaps indicator

D. is a PC-based tidal prediction program which uses the same prediction algorithms and Harmonic Constants as the

Admiralty Tide Tables

[3249] A tropical cyclone has recurved and entered temperate latitudes. In the Northern Hemisphere when a large high pressure system lies north of the storm, what situation may occur? .

- A. The low may suddenly deepen, and the cyclone intensify and pick up speed
- B. The left semicircle may become the dangerous semicircle
- C. The low and the high may merge and cancel out the weather characteristics of each
- D. The high may force the cyclone to reverse its track

[3250] An indirect radar echo is caused by a reflection of the main lobe of the radar beam off the observer's vessel. Which of the following is NOT a characteristic of indirect echoes?

- A. Their bearing is almost constant, even when the true bearing of the contact changes appreciably
- B. They always appear on a bearing of 90° from the true bearing of the contact
- C. The indirect echoes usually appear in shadow sectors
- D. When plotted, their movements are usually abnormal

[3251] Fire protection and manning regulations for towing vessels state that the Master or person in charge must ensure that all crew members who have not participated in the drills or received the safety orientation .

- A. receive a safety orientation or view a videotape before the vessel gets underway
- B. view a videotape on safety procedures within 48 hours of reporting for duty
- C. receive a safety orientation within 24 hours of reporting for duty
- D. report to captain

[3252] Which of the following statements is TRUE regarding AIS? .

- A. The master may, at his/her discretion, turn off the AIS if he/she believes that it may compromise the safety or security of the vessel
- B. Under no circumstances shall AIS be turned off while underway as this could endanger the vessel and those around her
- C. AIS is always required to be operating if the vessel is in or in the vicinity of a VTS area
- D. AIS is always required to be operating if the vessel is within 100 nautical miles of the coastline

[3253] In stopping distances of vessels, head reach can best be described as the .

- A. difference between the vessel's speed through the water at any instant and the new speed ordered on the telegraph
- B. distance the vessel has actually run through the water since a change of speed was ordered
- C. distance the vessel will run between taking action to stop her and being stationary in the water

D. speed at which a vessel should proceed to ensure that she will run a predetermined distance, once her engines have been stopped

[3254] You are proceeding down a channel and lose the engine(s). You must use the anchors to stop the ship. Which statement is true?

- A. Pay out all of the cable before setting up on the brake to insure the anchors dig in and hold
- B. For a mud, mud and clay, or sandy bottom pay out a scope of 5 to 7 times the depth before setting up on the brake
- C. Use one or both anchors with a scope of twice the depth before setting the brake
- D. Drop the anchor to short stay and hold that scope

[3255] When one upbound vessel is overtaking another vessel and both are pushing a tow ahead, what reaction may you expect?

- A. Both towheads will tend to drift apart, and the overtaking vessel will be slowed down
- B. Both towheads will tend to drift together, and the overtaking vessel will be slowed down
- C. Both towheads will tend to drift apart, and the overtaken vessel will be slowed down
- D. Both towheads will tend to drift together, and the overtaken vessel will be slowed down

[3256] You are signing on a deck officer, who will be designated as one of the GMDSS operators, before sailing foreign. Which statement is TRUE?

- A. He must have an STCW certificate endorsed as "Valid for Service on Vessels Operating in the GMDSS System"
- B. He must present either an FCC-issued license or a Coast Guard-issued license
- C. You must consult the "List of Qualifications" on the reverse of his FCC-issued license
- D. His Merchant Mariners Document must have an added endorsement as "Radio Electronics Officer"

[3257] Your ship is sinking rapidly. A container containing an inflatable liferaft has bobbed to the surface upon functioning of the hydrostatic release. Which action should you take?

- A. Cut the painter line so it will not pull the liferaft container down
- B. Swim away from the container so you will not be in danger as it goes down
- C. Take no action because the painter will cause the liferaft to inflate and open the container
- E. Manually open the container and inflate the liferaft with the hand pump

[3258] Which of the following statements is TRUE regarding AIS?

- A. AIS is designed to replace ARPA, maneuvering boards, and visual bearings as a means to ascertain the risk of collision
- B. AIS provides near real-time information regarding another vessel's speed over ground and heading regardless of visibility

- C. AIS will not provide information on another vessel if that vessel is indistinguishable in radar sea clutter
- D. AIS can be relied upon as the sole means to determine course changes due to other AIS e- quipped traffic

[3259]Your facsimile prognostic chart indicates that you will cross the cold front of a low pressure system in about 24 hours. You should .

- A. expect to see cirrus clouds followed by altostratus and nimbostratus clouds
- B. alter course to remain in the navigable semicircle
- C. prepare for gusty winds, thunderstorms, and a sudden wind shift
- D. expect clear weather, with steady winds and pressure, until the front passes

[3260] You are on an ice-reinforced vessel about to enter pack ice. You should .

- A. enter the pack on the windward side where there is a well defined ice edge
- B. trim to an even keel or slightly down by the bow to take maximum benefit of the ice rein?forcement
- C. take maximum advantage of coastal leads caused by offshore winds
- D. look for areas of rotten ice and enter perpendicular to the ice edge

[3261] A vessel is heading magnetic northwest and its magnetic compass indicates a heading of 312° What action should be taken to remove this error during compass adjustment?

- A. If the quadrantal spheres are all the way out, replace them with smaller spheres
- B. If the quadrantal spheres are all the way in, replace them with larger spheres
- C. If the quadrantal spheres are all of the way out, move the spheres in
- D. If the quadrantal spheres are all the way out, replace them with larger spheres

[3262] A crew member reports that the high-pressure alarm light of a low-pressure CO2 fixed fire ex?tinguishing system is illuminated. The most probable cause of this condition would be that .

- A. an air leak has developed in the tank
- B. the tank cooling system has malfunctioned
- C. the pilot cylinder discharge valve is leaking
- D. an excessive amount of insulation has been installed on the tank and piping

[3263] .is not a vessel restricted in her ability to maneuver.

- A. A vessel engaged in laying, servicing or picking up a navigation mark, submarine cable or pipeline
- B. A vessel engaged in dredging, surveying or underwater operations
- C. A vessel engaged in replenishment or transferring persons, provisions or cargo while underway
- D. A power driven vessel which because of her draught in relation to the available depth and width of navigation water is severely restricted in her ability to deviate from the course she is following

[3264] You are anchored in the Aleutian Island chain and receive word that a tsunami is expected to strike the islands in six hours. What is the safest action?

- A. Get underway and be in deep, open-ocean water when the tsunami arrives
- B. Increase the scope of the anchor cable and drop the second anchor underfoot at short stay
- C. Get underway and be close inshore on the side of the island away from the tsunami
- D. Plant both anchors with about a 60° angle between them, and let out a long scope to each anchor

[3265] Which statement about immersion suits is TRUE?

- A. The suit's oil resistance is such that it will be serviceable and be usable after exposure to gasoline or mineral spirits without needing to be specially treated
- B. The suit seals in body heat and provides protection against hypothermia indefinitely
- C. The suit is flameproof and provides protection to the wearer while swimming through burning oil
- D. The suit must, without assistance, turn an unconscious person's mouth clear of the water within 5 seconds

[3266] You are pushing a tow ahead, at high speed, near the right hand bank of a canal. The forces affecting your towboat and tow will tend to _____

- A. push both the head of the tow and the stern of the towboat away from the right hand bank
- B. push the head of the tow away from, and pull the stern of the towboat into, the right hand bank
- C. pull both the head of the tow and the stern of the towboat into the right hand bank
- D. pull the head of the tow into, and push the stern of the towboat away from, the right hand bank

[3267] What is meant by the term RADIO SILENCE?

- A. Stations not directly involved with the on-going distress communications may not transmit on the distress frequency or channel
- B. Stations remaining off the air to safeguard proprietary information
- C. Two three-minute silent periods, at 15 and 45 minutes after the hour, that provide a transmitting "window" for distressed vessels to transmit distress alerts using J3E
- D. Communications on a distress frequency or channel is banned for 24 hours following the cessation of the distress traffic

[3268] A large vessel is equipped with a controllable pitch propeller. Which statement is TRUE?

- A. When dead in the water, it is often difficult to find the neutral position and slight headway or sternway may result
- B. When going directly from full ahead to full astern, there is complete steering control
- C. When the vessel has headway and the propeller is in neutral, there is no effect on rudder control
- D. When maneuvering in port, full ahead or astern power can usually be obtained without changing shaft RPM

[3269] Which statement about damage control is TRUE? _.

- A. A hole in the hull at the waterline is more dangerous than a hole below the inner bottom
- B. The amount of water entering a ship through a hole varies inversely to the area of the hole
- C. Water flowing into a lower compartment on a ship is more dangerous than water on deck or flowing into an upper compartment
- D. Water flowing over the fore side bulwark is more dangerous than a hole in the hull at the waterline

[3270] A facility used for the discharge of a cargo of a particular hazard, such as chlorine, butane or ethane, must have what to warn water traffic of an immediate danger during fire or cargo release?

- A. An emergency boat and crew
- B. A siren or rotating flashing light
- C. Flashing red lights located one-half mile upstream and downstream of the facility
- D. Buoys with flashing lights controlled from shore, located one-half mile upstream and downstream of the facility

[3271] If two mooring lines are to be placed on the same bollard, which method is BEST? .

- A. Place the eye from the forward line on the bollard and then place the eye from the second line directly over the first
- B. It makes no difference how the lines are placed
- C. Place the eye from either line on the bollard, and then bring the eye of the other line up through the eye of the first, and place it on the bollard
- D. Place both eyes on the bollard, in any manner, but lead both lines to the same winch head on the vessel and secure them on the winch

[3272] How do you determine the weight of the vessel that is supported by the ground when a vessel has run aground?

- A. This requires extensive calculation and is usually performed only by a naval architect not by a ship's officer
- B. Determine the point where aground and the draft at that point, then calculate it using the grounding formula
- C. Use the hydrostatic tables and enter with the mean draft before grounding and the mean draft after grounding
- D. Use the inclining experiment formula and substitute the change of trim for the angle of list

[3273] Your ARPA has been tracking a target and has generated the target's course and speed. The radar did not receive a target echo on its last two scans due to the weather. What should you expect under these circumstances?

- A. The ARPA will generate data as if the target was still being tracked by radar
- B. The ARPA will give an audible and/or visual lost target alarm
- C. The ARPA will generate data based on sea return echoes from the vicinity where the target was lost

D. The ARPA has lost all memory of the target and must recompute the target data

[3274]A victim has suffered a second-degree burn to a small area of the lower arm. What is the proper treatment for this injury?

A. Immerse the arm in cold water for 1 to 2 hours, apply burn ointment, and bandage

B. Open any blisters with a sterile needle, apply burn ointment and bandage

C. Apply burn ointment, remove any foreign material and insure that nothing is in contact with the burn

D. Immerse the arm in cold water for 1 to 2 hours, open any blister and apply burn ointment

[3275]You are in charge of a stand-on vessel in a crossing situation. The other vessel is 1.5 miles to port. You believe that risk of collision exists. You should

A. take avoiding action immediately upon determining that risk of collision exists

B. immediately sound the danger signal

C. take avoiding action only after providing the give-way vessel time to take action, and determining that her action is not appropriate

D. hold course and speed until the point of extremis, and then sound the danger signal, taking whatever action will best avert collision

[3276]A vessel is entering port A for the first time and has a Pilot conning the vessel. The Master is unsure that the Pilot is taking sufficient action to prevent a collision. What should the Master do?

A. Nothing; The Pilot is required by law and is solely responsible for the safety of the vessel

B. State his concerns to the Pilot but do not interfere with the handling of the vessel

C. Direct the Pilot to stop the vessel and anchor if necessary until the situation clears

D. Recommend an alternative action and if not followed relieve the Pilot

[3277]You are on a large merchant vessel entering a port. There is a Pilot on board and he has the conn. Which statement is TRUE?

A. The Master is responsible for the safe navigation of the ship and the Pilot is employed for his local knowledge

B. The Pilot is solely responsible for the safe maneuvering of the ship only if he is required to be on board by law

C. The Pilot is solely responsible for the internal working of the ship

D. The Pilot becomes solely responsible for the safe navigation of the vessel only if the Master relinquishes the conn

[3278]The publication of details of a law or regulation in the Admiralty Sailing Directions

A. is solely for the safety and convenience of shipping

B. implies the recognition of the international validity of the law or regulation by UK Government

C. indicates that UK Government will accept any liability whatsoever for failure to contain in the

publication details of any particular law or regulation

D. means no endeavour has been used to include in the publications details of the laws and regulations of any countries appertaining to navigation

[3279] A seaman assaults the Second Mate and injures him with a beer bottle while the ship is at sea. The incident is logged in the Official Logbook. In subsequent suspension and revocation proceedings against the seaman, according to the regulations,

- A. the Second Mate and the Master must testify as to the facts of the assault
- B. the case will be dismissed if the logbook entries are improperly made
- C. the logbook entry is prima facie evidence of the facts if it complies with the law
- D. the logbook is inadmissible if the logbook entries do not conform to the law

[3280] of the following statements is INCORRECT regarding a fire and boat drill on board your cargo vessel.

- A. At least one fire and boat drill shall be held within 24 hours of leaving a port where more than 25 percent of the crew has been replaced
- B. The Master is responsible in seeing that each lifeboat is lowered to the water at least once in each 6 months
- C. Lifeboat equipment shall be examined at least once each month to insure that it is complete
- D. An entry shall be made in the vessel's Official Logbook relative to each fire and boat drill

[3281] You are on a large vessel fitted with a right-handed controllable-pitch propeller. When making large speed changes while decreasing pitch, which statement is TRUE?

- A. You will probably have full directional control throughout the speed change
- B. You may lose rudder control until the ship's speed has dropped to correspond to propeller speed
- C. The stem will immediately slew to starboard due to unbalanced forces acting on the propeller
- D. The stem will immediately slew to port due to unbalanced forces acting on the propeller

[3282] Your vessel is at anchor in fog while in international waters. The fog signal of another vessel, apparently underway, has been steadily growing louder and the danger of collision appears to exist. In addition to the normal fog signal, what signal may be used to indicate the presence of your vessel?

- A. The danger signal; five or more short and rapid blasts on the whistle
- B. Three blasts on the whistle; one short, one prolonged and one short
- C. Three blasts on the whistle; one prolonged followed by two short
- D. No special signal other than the normal fog signal

[3283] You are entering port and have been instructed to anchor, as your berth is not yet available. You are on a SW'ly heading, preparing to drop anchor, when you observe the range lights as shown on your starboard beam. You should

A. NOT drop the anchor until the lights are in line

B. ensure your ship will NOT block the channel or obstruct the range while at anchor

C. drop the anchor immediately as the range lights mark an area free of obstructions

D. drop the anchor immediately as a change in the position of the range lights will be an indication of dragging anchor

[3284] When in command of a lifeboat under oars, the command TOSS OARS means to .

A. lift oars to vertical position, trim blades fore and aft with handles resting on the thwarts

B. complete the stroke, come to oars, raise the oars smartly to the vertical, rest handles on footings and trim blades fore and aft

C. place oars in row locks directly from the boated position or from stand by oars position

D. complete the stroke (when rowing in ahead motion) .raise the oars with crook of elbow to about 30 degrees, swing blades forward

[3285] You suspect that a crewmember has fallen overboard during the night and immediately execute a Williamson turn.

What is the primary advantage of this maneuver under these circumstances?

A. You will be on a reciprocal course and nearly on the track-line run during the night

B. The turn provides the maximum coverage of the area to be searched

C. The turn enables you to reverse course in the shortest possible time

D. You have extra time to maneuver in attempting to close in on the man for rescue

[3286] You are steaming in the open ocean of the North Pacific between the Aleutian Chain and Hawaii. A warning broadcast indicates that an earthquake has occurred in the Aleutians and has generated a tsunami that is predicted to hit Hawaii. What action is necessary?

A. Calculate the tsunami's ETA at your position and turn to a course that will head into the Tsunami

B. Securely stow all loose gear, check deck lashings, and prepare for extreme rolls

C. No special action as tsunamis are inconspicuous in the open ocean

D. Prepare for sudden, high-velocity wind gusts from rapidly changing directions

[3287] is designed to assist the merchant mariner on all classes of ocean-going vessels and provide essential information on navigational hazards and buoyage, meteorological data, details of pilotage, regulations, port facilities and guides to major port entry.

A. The Mariners Handbook (NP100)

B. Admiralty Maritime Communications Series (NP289-NP291)

C. Admiralty Sailing Directions

D. Catalogue of Admiralty Charts and Publications (NP131)

[3288] You are on a LASH vessel. Which statement concerning the stowage of the hazardous material in barges is TRUE?

- A. Barges with hazardous materials may only be stowed in locations where they can vent to the atmosphere
- B. The containment provided by the barges meets all segregation requirements except for cargoes of flammable liquids
- C. The hazardous cargo in the barge must be inspected every 24 hours after stowage is completed
- D. Each barge must be stowed to provide access to its cargo unless firefighting equipment capable of piercing and reaching the barge is available

[3289] If the gyrocompass error is east, what describes the error and the correction to be made to gyrocompass headings to obtain true headings?

- A. The readings are too low (small numerically) and the amount of the error must be added to the compass to obtain true
- B. The readings are too low and the amount of the error must be subtracted from the compass to obtain true
- C. The readings are too high (large numerically) and the amount of the error must be added to the compass to obtain true
- D. The readings are too high and the amount of the error must be subtracted from the compass to obtain true

[3290] _____ contains essential information on maritime communications specifically for the leisure and commercial small craft and is available in easy reference format.

- A. Ocean Passages for the World (NP136)
- B. Admiralty Maritime Communications Series (NP289-NP291)
- C. IALA Maritime Buoyage System (NP735)
- D. Catalogue of Admiralty Charts and Publications (NP131)

[3291] The moisture equilibrium chart can be used to determine the _____.

- A. absolute moisture content of the air surrounding a hygroscopic cargo when moisture equilibrium exists
- B. dew point temperature that the air surrounding a hygroscopic commodity will have when in moisture equilibrium with that commodity
- C. enthalpy of the air surrounding a hygroscopic cargo which is in moisture equilibrium with the cargo
- D. temperature at which moisture equilibrium will occur in a cargo hold containing a hygroscopic cargo

[3292] You are on a vessel that has broken down and are preparing to be taken in tow. You will use your anchor cable as part of the towline. Which statement is TRUE?

- A. The anchor cable should be veered enough to allow the towline connection to be just forward of your bow

B. The anchor cable should be veered enough to allow the towline connection to be immediately astern of the towing vessel

C. The strain of the tow is taken by the riding pawl, chain stopper, and anchor windlass brake

D. The anchor cable should be led out through a chock, if possible, to avoid a sharp nip at the hawsepipe lip

[3293] A vessel is heading magnetic east and its magnetic compass indicates a heading of 086° which action should be taken to remove this error during compass adjustment? .

A. If the blue ends of the magnets are aft, and the fore-and-aft tray is at the top, you should add some magnets

B. If the blue ends of the magnets are aft you should lower the fore-and-aft tray

C. If the blue ends of the magnets are aft, and the fore-and-aft tray is at the top, you should reverse the magnets

D. If the blue ends of the magnets are forward, and the fore-and-aft tray is at the bottom, you should add some magnets

[3294] You are a watch standing mate and have come to the bridge to relieve the watch. After reviewing the chart, and having been briefed by the off-going mate, you are now ready to effect the relief. The watch is officially transferred to you after

A. you state the vessel's charted position, present course and port of destination

B. the mate being relieved tells you the vessel's course and speed and states that you have the watch

C. you say, "I relieve you" and you state the course per gyro and magnetic compasses

D. the mate being relieved says, "You have the conn" and you state the ship's course

[3295] When steering by hand, which of the following may be a functional input to the steering gear as a result of turning the wheel?

A. Non-follow-up B. Rudder adjustment

C. Weather adjustment D. Autopilot

[3296] You have water washed your cargo tanks using the fixed machines. What should you do before using portable machines to clean areas screened from the wash of the fixed machine by structural members?

A. Ventilate the tank to eliminate any electrostatically charged mist

B. Attach the water supply hose to the portable machine after the cleaning head is positioned inside the tank

C. Insure that the tanks are not stripped until the final wash is started

D. Ground the fixed machines to eliminate any electrostatic buildup on the cleaning head

[3297] The pilot ladder shall .

A. be soored in a position so that it rests firmly against the ship's side from which the discharge operations are carried out

B. have at least two replacement steps which are secured in position by a method different from that used in the original construction

C. have battens made of hardwood, or other material of equivalent properties, in one piece and not less than 1.80 m long provided at such intervals as will prevent the pilot ladder from twisting

D. have steps made of softwood, or other material of equivalent properties, made in one piece free of knots, having an efficient slip surface

[3298]A deck-stowed 40-foot container is giving off smoke, and one end is discolored from heat. The cargo valuable and easily damaged by water. You want to extinguish the fire without further damage if possible. What action should you take?

- A. Connect a portable line from the ship's fixed system and discharge CO₂ into the container
- B. Flood the container with water and disregard any cargo damage as the fire threatens the entire vessel
- C. Pierce the container and discharge 6 or more portable CO₂'s then add more CO₂ hourly
- D. Cool the exterior of the container with water and close all vents; then keep it cooled until it can be off-loaded

[3299]You are on watch while your vessel is entering port with a pilot conning. The pilot gave a steering command to the helmsman who failed to acknowledge it by repeating the order. You have now enunciated the pilot's order to the helmsman and there is still no response. If the helmsman continues on the original course, you should immediately .

- A. take the helm and expedite the maneuver that the pilot ordered
- B. ask the pilot to repeat the command since the helmsman failed to hear it
- C. tell the helmsman to ask the pilot to repeat any command that he fails to hear or understand
- D. repeat the pilot's command a second time and notify the Master

[3300]Which of the following statements is TRUE regarding AIS? _____

- A. AIS is a short-range VHF-FM system that automatically broadcasts a vessel's position, course, speed and other safety related information to all those with similar equipment in the area
- B. AIS is a one-way centrally managed system that requires the local VTS to send commands to instruct each vessel to broadcast position, course, speed and other safety related information to all those with similar equipment in the area
- C. AIS is a global tracking system that relies upon INMARSAT C service to communicate vessel position, course, speed and other safety related information to all those with similar equipment in the area
- D. AIS is a short-range 3 cm X-band radar system that automatically sends a vessel's position, course, speed and other safety related information to all those with similar equipment within the area