

## U.S.C.G. Merchant Marine Exam

### Master or Mate Less than 200 Gross Registered Tons

#### Q340 Deck General

#### (Sample Examination)

**Choose the best answer to the following Multiple Choice Questions.**

1. A journal kept by the officer of the watch in which day to day happenings are recorded regarding the deck department is the \_\_\_\_\_.

- (A) bell book
- (B) deck rough log
- (C) cargo record book
- (D) Official Logbook

*If choice B is selected set score to 1.*

2. Providing you are not sailing in the Red Sea or another special area as listed in ANNEX V of MARPOL, how many miles from land must you be to throw garbage including bottles, rags, and glass that has not been ground up into the sea?

- (A) 3 nm
- (B) 6 nm
- (C) 12 nm
- (D) 25 nm

*If choice C is selected set score to 1.*

3. You are berthed at a cargo facility where you have just completed discharging a dangerous cargo. You must complete topside repairs involving hot work before sailing. Which of the following statements is TRUE?

- (A) Hot work repairs at such a facility are prohibited.
- (B) The Captain of the Port may give specific approval to make hot work repairs.
- (C) You can make repairs with permission of the facility owner since you are empty and the cargo is on the facility.
- (D) The repair area must be inspected by a marine surveyor to ensure that it can be done safely.

*If choice B is selected set score to 1.*

4. You are using the anchor to steady the bow while maneuvering. You have the proper scope of anchor cable when the \_\_\_\_\_.

- (A) scope is not more than 5 times the depth of the water
- (B) bow is held in position with the engines coming slowly ahead
- (C) cable enters the water at an angle between 60° and 85° from the horizontal
- (D) anchor is just touching the bottom

*If choice B is selected set score to 1.*

5. You are docking a vessel. Wind and current are most favorable when they are \_\_\_\_\_.

- (A) crossing your course in opposite directions
- (B) crossing your course in the same direction
- (C) parallel to the pier from ahead
- (D) setting you on the pier

*If choice C is selected set score to 1.*

6. Which statement about entering into a tank which has been sealed for a long time is TRUE?

- (A) The tank need not be tested for oxygen content if it is ventilated for more than 24 hours.
- (B) The tank must be tested at frequent intervals to ensure that hazardous gasses have not regenerated.
- (C) If the oxygen content tests at less than 12% you should wear an approved gas mask.
- (D) The tank should be tested only once to ensure the oxygen content is at least 14% before entry.

*If choice B is selected set score to 1.*

7. A sufficient amount of chain must be veered when anchoring a vessel to ensure \_\_\_\_\_.

- (A) there is more chain out than there is in the chain locker
- (B) the vessel has enough room to swing while at anchor
- (C) there is a sufficient scope of chain to keep the anchor on the bottom
- (D) the anchor flukes bite into the ocean bottom

*If choice D is selected set score to 1.*

8. The Certificate of Freeboard is the \_\_\_\_\_.

- (A) Load Line Certificate
- (B) Admeasurer's Certificate
- (C) Forecastle Card
- (D) Certificate of Inspection

*If choice A is selected set score to 1.*

9. What is a grapnel?

- (A) device for securing a chain topping lift
- (B) type of clam bucket used for discharging bulk cargo
- (C) hook to prevent the anchor cable from slipping
- (D) device used to drag for a submerged cable or line

*If choice D is selected set score to 1.*

**10.** You are the Master of a single-screw vessel. You are docking at a port which has no tugs available. You decide to drop the offshore anchor to help in docking. The amount of chain you should pay out is \_\_\_\_\_.

- (A) equal to the depth of the water
- (B) 1 1/2 to 2 times the depth of the water
- (C) 5 to 7 times the depth of the water
- (D) you should NEVER use the anchor to help in docking

*If choice B is selected set score to 1.*

**11.** Which knot in illustration D030DG below should be used to secure a line to a spar when the pull is parallel to the spar?

- (A) G
- (B) F
- (C) P
- (D) Q

*If choice C is selected set score to 1.*

**12.** Which letter shown in illustration D030DG below represents a clove hitch?

- (A) U
- (B) R
- (C) T
- (D) X

*If choice D is selected set score to 1.*

**13.** To coil a left-hand laid rope, you should coil the line in \_\_\_\_\_.

- (A) either a clockwise or a counterclockwise direction
- (B) a counterclockwise direction only
- (C) an alternating clockwise and counterclockwise direction
- (D) a clockwise direction only

*If choice B is selected set score to 1.*

**14.** A Chinese stopper (two lines) will hold best when you \_\_\_\_\_.

- (A) twist the ends together and hold them at right angles to the mooring line
- (B) twist the ends together and hold them in the direction opposite to the pull
- (C) fasten the bitter ends to the mooring line with half hitches
- (D) twist the ends together and hold them in the direction of the pull

*If choice D is selected set score to 1.*

**15.** Single hull vessels operating exclusively on the Great Lakes must be dry docked at intervals not to exceed \_\_\_\_\_.

- (A) 12 months
- (B) 60 months
- (C) 48 months
- (D) 24 months

*If choice B is selected set score to 1.*

**16.** You are preparing to lubricate standing rigging on your vessel. When rigging a bosun's chair on a stay with a shackle, \_\_\_\_\_.

- (A) tie the bitter end of the gantline to the shackle before shackling it to the bosun's chair
- (B) connect the shackle to the bosun's chair with a hook
- (C) run the gantline through the shackle and then make fast to the bosun's chair
- (D) never allow the shackle pin to ride on the stay

*If choice D is selected set score to 1.*

**17.** The standing part of a tackle is \_\_\_\_\_.

- (A) the hook that engages the weight to be moved
- (B) that part to which power is applied
- (C) all the fall except the hauling part
- (D) that part of the falls made fast to one of the blocks

*If choice D is selected set score to 1.*

**18.** Which effect does speed through the water have on a vessel which is underway in shallow water?

- (A) A decrease in the speed results in a decrease in steering response and maneuverability.
- (B) A decrease in speed results in the vessel sucking down on an even plane.
- (C) An increase in speed results in the stern sucking down lower than the bow.
- (D) An increase in speed results in the vessel rising on an even plane.

*If choice C is selected set score to 1.*

**19.** Which will most likely occur when entering shallow water?

- (A) The vessel's trim will change.
- (B) An increase in speed will occur.
- (C) The vessel's list will change.
- (D) Rudder action will become more effective.

*If choice A is selected set score to 1.*

**20.** You are on a 120,000 DWT loaded bulk carrier. What is the maximum safe docking speed when coming alongside?

- (A) 0.2 foot per second (0.12 knot)
- (B) 0.1 foot per second (0.06 knot)
- (C) 0.75 foot per second (0.44 knot)
- (D) 0.5 foot per second (0.30 knot)

*If choice A is selected set score to 1.*

**21.** You are docking a vessel. If possible, you should \_\_\_\_\_.

- (A) go in against the current
- (B) approach the dock at a 90° angle and swing to
- (C) pass a mooring line to the dock with a heaving line and let the crew pull the vessel in
- (D) go in with the current

*If choice A is selected set score to 1.*

**22.** In order to reduce your wake in a narrow channel you should \_\_\_\_\_.

- (A) apply enough rudder to counter the effect of the current
- (B) reduce your speed
- (C) shift the weight to the stern
- (D) change your course to a zigzag course

*If choice B is selected set score to 1.*

**23.** After casting off moorings at a mooring buoy in calm weather, you should \_\_\_\_\_.

- (A) go half ahead on the engines and put the rudder hard right
- (B) back away a few lengths to clear the buoy and then go ahead on the engines
- (C) go full ahead on the engine(s)
- (D) go half ahead on the engines and pass upstream of the buoy

*If choice B is selected set score to 1.*

**24.** In reference to accidental oil pollution, the most critical time during bunkering is when \_\_\_\_\_.

- (A) final topping off is occurring
- (B) hoses are being disconnected
- (C) you first start to receive fuel
- (D) hoses are being blown down

*If choice A is selected set score to 1.*

**25.** As a rule, ships of most configurations, when drifting in calm water with negligible current, will lie \_\_\_\_\_.

- (A) stern to the wind
- (B) beam to the wind
- (C) with the wind on the quarter
- (D) bow to the wind

*If choice B is selected set score to 1.*

**26.** 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) so that their lines form an angle
- (B) directly in line with the bow
- (C) on top of one another
- (D) side by side, with their lines on the port and starboard side

*If choice A is selected set score to 1.*

**27.** What is the best guide for determining the proper scope of anchor chain to use for anchoring in normal conditions?

- (A) One shot of chain for every thirty feet of water
- (B) One shot of chain for every ninety feet of water
- (C) One shot of chain for every ten feet of water
- (D) One shot of chain for every fifteen feet of water

*If choice D is selected set score to 1.*

**28.** Leeway is the \_\_\_\_\_.

- (A) difference between the true course and the compass course
- (B) lateral movement of a vessel downwind of her intended course
- (C) displacement of a vessel multiplied by her speed
- (D) momentum of a vessel after her engines have been stopped

*If choice B is selected set score to 1.*

**29.** If you are loading fruit in reefer spaces and you notice that the fruit is beginning to mold, you should \_\_\_\_\_.

- (A) carry the cargo at a cooler temperature than originally planned
- (B) discharge CO<sub>2</sub> into the compartment after loading
- (C) refuse to carry the cargo
- (D) write up exceptions on the cargo

*If choice D is selected set score to 1.*

**30.** When fruit is carried as refrigerated cargo, the most frequent cause of its being infected at the discharge port is \_\_\_\_\_.

- (A) carriage at the wrong temperature
- (B) improper cleaning of the cargo spaces
- (C) improper precooling of the cargo spaces
- (D) leaks in the ship's refrigeration system

*If choice B is selected set score to 1.*

**31.** A precaution you should take before bunkering is to \_\_\_\_\_.

- (A) plug the sounding pipes
- (B) plug the scuppers
- (C) close the lids on the vents
- (D) plug the vents

*If choice B is selected set score to 1.*

**32.** You have berthed in a port area with other tank vessels. What signal is displayed by a vessel to indicate it is transferring flammable or combustible liquid cargo?

- (A) A red light visible all around the horizon
- (B) An illuminated red and yellow caution flag
- (C) A green light visible all around the horizon
- (D) A flashing yellow light

*If choice A is selected set score to 1.*

**33.** Portable fire extinguishers must be provided for the cargo tank area of an unmanned tank barge \_\_\_\_\_.

- (A) only when fully loaded
- (B) when transferring cargo
- (C) if one or more tanks are full
- (D) only when the barge is being towed

*If choice B is selected set score to 1.*

**34.** The Master shall insure that the Emergency Position Indicating Radio beacon (EPIRB) is \_\_\_\_\_.

- (A) tested monthly
- (B) secured in the emergency locker
- (C) tested annually
- (D) secured inside the wheelhouse

*If choice A is selected set score to 1.*

**35.** Maritime Administration personnel may be allowed in the pilothouse upon the responsibility of the \_\_\_\_\_.

- (A) officer in charge of the watch
- (B) Navigator
- (C) Chief Officer
- (D) most senior person present from the Maritime Administration

*If choice A is selected set score to 1.*

**36.** The trim and stability booklet must be approved by the \_\_\_\_\_.

- (A) International Maritime Organization
- (B) National Cargo Bureau
- (C) Society of Naval Architects and Marine Engineers
- (D) United States Coast Guard

*If choice D is selected set score to 1.*

**37.** You are bound from port A governed by the summer load line mark to port B also governed by the summer mark. The great circle track will take you into a zone governed by the winter mark. Which statement is TRUE?

- (A) You must be at the winter mark when you enter the winter zone and cannot exceed the summer mark upon departing port A.
- (B) You can only load to the winter mark plus any fresh water allowance and burnout to sea at port A.
- (C) You cannot load beyond the summer mark at port A and must be at the winter mark upon arrival at port B.
- (D) You can load so that upon arrival at the pier at port B your freeboard is equal to the summer mark less any fresh water allowance.

*If choice A is selected set score to 1.*

**38.** In illustration D031DG below, what does the single line located directly above the diamond indicate?

- (A) freeboard line
- (B) water line
- (C) load line
- (D) deck line

*If choice D is selected set score to 1.*

**39.** Which spaces are required to be segregated from cargo tanks carrying grades A, B, C, or D cargoes?

- (A) Pump rooms
- (B) Navigation spaces
- (C) Cofferdams
- (D) Enclosed deck spaces

*If choice B is selected set score to 1.*

**40.** According to U.S. regulations which of the following statements is correct regarding the fuel oil containment around loading manifolds?

- (A) Containment drains are prohibited from leading to a common tank.
- (B) They may be fixed or portable, depending upon the age of the vessel.
- (C) The containment drains must have quick-closing valves to be closed in the event of leakage or failure of any part of the transfer connection.
- (D) All containment drains must lead to a common fixed drain tank.

*If choice B is selected set score to 1.*

**41.** The number of able seamen required on board is stated in the \_\_\_\_\_.

- (A) Certificate of Inspection
- (B) Classification Certificate
- (C) Solas Certificate
- (D) American Bureau of Shipping code

*If choice A is selected set score to 1.*

**42.** You are on a 30,000 DWT tankship engaged in trade to another country signatory to MARPOL 73/78. Which statement is TRUE?

- (A) The Certificate of Inspection is prima facie evidence of compliance with MARPOL 73/78.
- (B) AN IOPP Certificate is renewed at each inspection for certification.
- (C) The IOPP Certificate is valid for 5 years.
- (D) An IOPP Certificate is invalid if the ship carries cargoes outside the classes authorized thereon.

*If choice C is selected set score to 1.*

**43.** According to U.S. regulations, which of the following describes the declaration of inspection?

- (A) paper issued by the Coast Guard marine inspector which allows you to conduct a transfer operation
- (B) application you must complete and submit to the Coast Guard to have an inspector visit your vessel
- (C) document signed by vessel and shore facility persons-in-charge declaring that all transfer requirements have been met
- (D) annual report submitted by vessel personnel to the Coast Guard declaring that all transfer equipment has been inspected

*If choice C is selected set score to 1.*

**44.** What shall the transfer procedures required to be followed on tankships contain?

- (A) a line diagram of the vessel transfer piping
- (B) the duties by name of each person in charge required for each transfer operation
- (C) a list of each port of discharge
- (D) a current crew list

*If choice A is selected set score to 1.*

**45.** Fuel for use on a vessel (300 GT or more constructed before July 1, 1974) may be carried in independent tanks forward of a collision bulkhead if the \_\_\_\_\_.

- (A) tanks were designated, installed, or constructed for fuel oil carrying before July 1, 1974
- (B) shell of the tank is of the same thickness or greater than that of the vessel's hull
- (C) fuel has a flash point above 180°F
- (D) tank is 18 inches inboard of the hull structure

*If choice A is selected set score to 1.*

**46.** You are at sea and not in a special area as defined in ANNEX V of MARPOL. How many nautical miles from land must you be to discharge ground garbage that will pass through a one-inch (25 mm) screen into the sea?

- (A) 3 nm
- (B) 25 nm
- (C) 6 nm
- (D) 12 nm

*If choice A is selected set score to 1.*

**47.** How many months after its expiration date may a Coast Guard credential be renewed without retaking the complete exam?

- (A) 1 month
- (B) 6 months
- (C) 12 months
- (D) 24 months

*If choice C is selected set score to 1.*

**48.** When are Operators of Uninspected Passenger Vessels are required to keep their Coast Guard credential aboard their vessel?

- (A) At all times
- (B) only when operating more than one mile from shore
- (C) only when operating at night
- (D) only when carrying passengers for hire

*If choice D is selected set score to 1.*

**49.** When an azimuth of the Sun has been taken and the deviation of the standard magnetic compass computed, the watch officer should record the results \_\_\_\_\_.

- (A) in the compass deviation log
- (B) on a Napier diagram
- (C) on the compass deviation card
- (D) in the vessel's Official Logbook

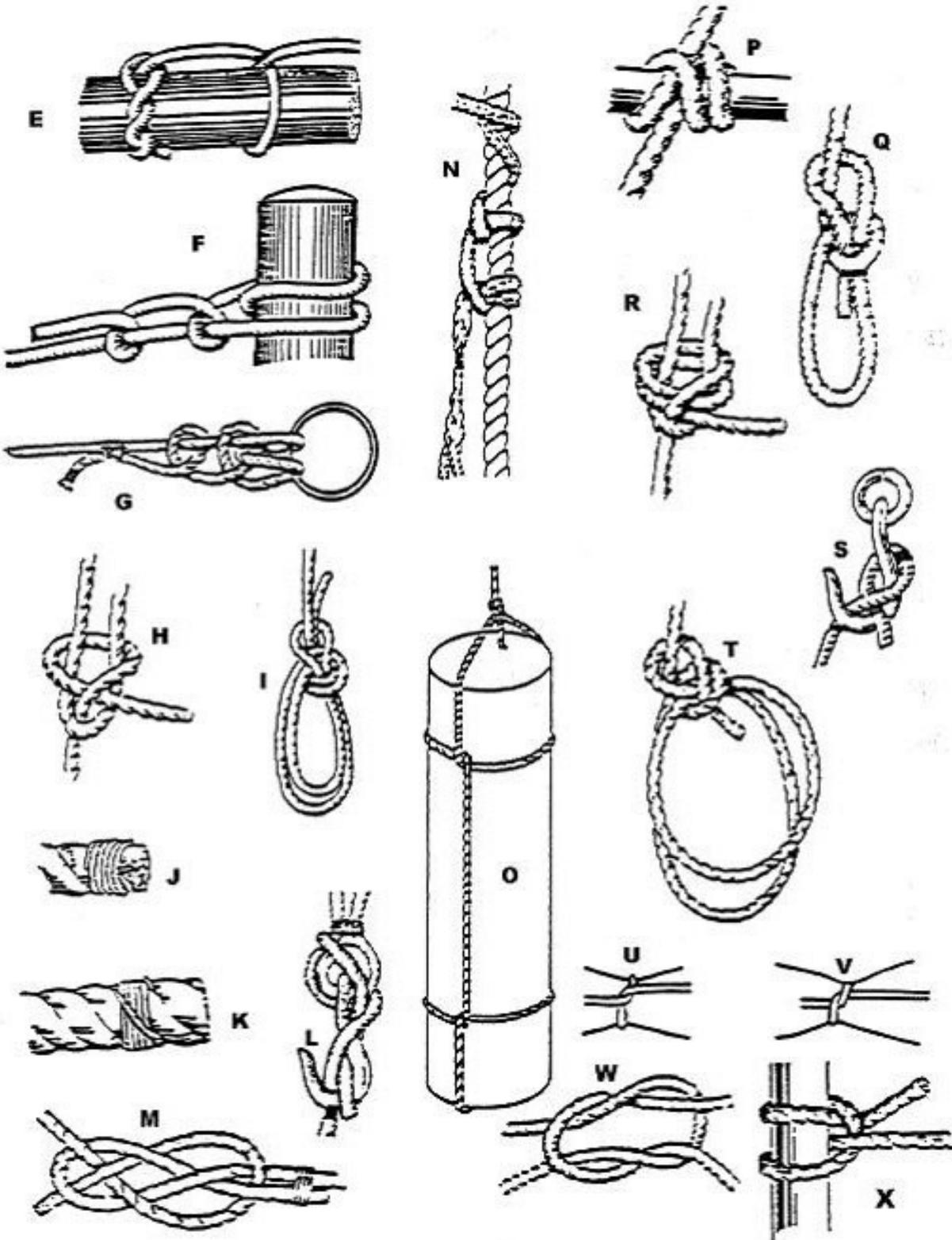
*If choice A is selected set score to 1.*

**50.** Under normal operating conditions aboard a ship, who has the overall responsibility in maintaining the Oil Record Book?

- (A) Chief Engineer
- (B) Master
- (C) First Assistant Engineer
- (D) Chief Mate

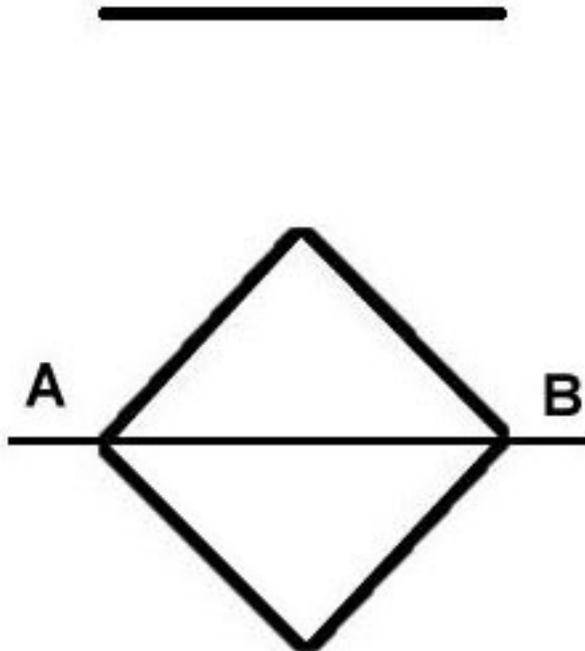
*If choice B is selected set score to 1.*

## D030DG



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## D031DG



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