

U.S.C.G. Merchant Marine Exam

Master Less than 100 Gross Registered Tons

Q347 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 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.

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. Unless otherwise stated, the term "approved" applied to a vessel's equipment, means approved by the _____. (small passenger vessel regulations)

- (A) American Bureau of Shipping
- (B) Board of Fire Underwriters
- (C) Congress of the United States
- (D) Commandant of the Coast Guard

If choice D 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. On small passenger vessels which parts of a water-cooled gasoline or diesel engine must be water-jacketed and cooled?

- (A) The block
- (B) The exhaust manifold
- (C) The engine's head
- (D) All of the above

If choice D 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. In general, batteries aboard small passenger vessels should be _____.

- (A) stowed in well-ventilated spaces to allow dissipation of any gases generated
- (B) accessible for maintenance and removal
- (C) as high above the bilge as practicable
- (D) All of the above

If choice D 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 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.

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. 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.

30. 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.

31. 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.

32. Each vessel shall be dry-docked or hauled out at intervals not to exceed 2 years if operated in salt water for a total of more than _____. (small passenger vessel regulations)

- (A) 3 months in any 12 month period since it was last hauled out
- (B) 6 months in the 3 year period since it was last hauled out
- (C) 12 months in the 5 year period since it was last hauled out
- (D) whenever ownership or management changes

If choice A is selected set score to 1.

33. A Certificate of Inspection issued to a small passenger vessel describes _____.

- (A) any special conditions or restrictions on her operation
- (B) the name of the managing operator
- (C) the minimum fire extinguishing equipment, lifejackets, survival and rescue craft she must carry
- (D) All the above

If choice D is selected set score to 1.

34. On small passenger vessels bunks installed in overnight passenger accommodation spaces _____.

- (A) must not be located more than 3 high, fitted with a suitable aid to access bunks more than 5' above deck with suitable aids to access bunks more than 5' above deck
- (B) must be no less than 74" long and 24" wide with 24" of clear space above
- (C) must be immediately adjacent to an aisle leading to a means of escape
- (D) All of the above

If choice D is selected set score to 1.

35. Fixed ballast, if used, may be _____. (small passenger vessel regulations)

- (A) moved under the supervision of the owner, Master or shipyard
- (B) discharged or moved at any time
- (C) moved under any condition except extreme emergency
- (D) moved temporarily for examination or repair of the vessel, when done under the supervision of an inspector

If choice D is selected set score to 1.

36. Penetrations and openings in watertight bulkheads in a small passenger vessel less than 100 gross tons must _____.

- (A) be kept as high and as far inboard as possible
- (B) not contain sluice valves that allow water to flow freely from one watertight compartment to another
- (C) have some means to make them watertight
- (D) All of the above

If choice D is selected set score to 1.

37. Aboard small passenger vessels which type(s) of ventilation must be provided for enclosed spaces containing gasoline engines or gasoline fuel tanks?

- (A) Mechanical supply and natural exhaust
- (B) Natural supply and mechanical exhaust
- (C) At least one opening to the exterior of the hull
- (D) All of the above

If choice B is selected set score to 1.

38. On small passenger vessels how many supply and exhaust ducts are required in each enclosed space containing gasoline powered machinery or gasoline fuel tanks?

- (A) 4 of each
- (B) 3 of each
- (C) 2 of each
- (D) 1 of each

If choice C is selected set score to 1.

39. On small passenger vessels cooking and heating equipment _____.

- (A) cannot use gasoline
- (B) may use liquefied petroleum gas
- (C) shall be suitable for marine use
- (D) All of the above

If choice D is selected set score to 1.

40. Who shall test every small passenger vessel's steering gear prior to getting underway for the day's operations?

- (A) a Mate or Designated Duty Engineer
- (B) the Master
- (C) a credential Engineer
- (D) the Mate on watch

If choice B is selected set score to 1.

41. The Master of a small passenger vessel fitted with loading doors must ensure that the doors are closed, watertight and secured _____.

- (A) when loading cargo
- (B) at all times, at the dock or underway when the loading door is not actually being used for passage
- (C) when leaving the dock
- (D) at all times when underway unless operating on protected or partially protected waters

If choice D is selected set score to 1.

42. A documented vessel's name is marked on a clearly visible exterior area of both sides of the bow and on the stern in block letters not less than _____.

- (A) 6 inches in height
- (B) 5 inches in height
- (C) 4 inches in height
- (D) 3 inches in height

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

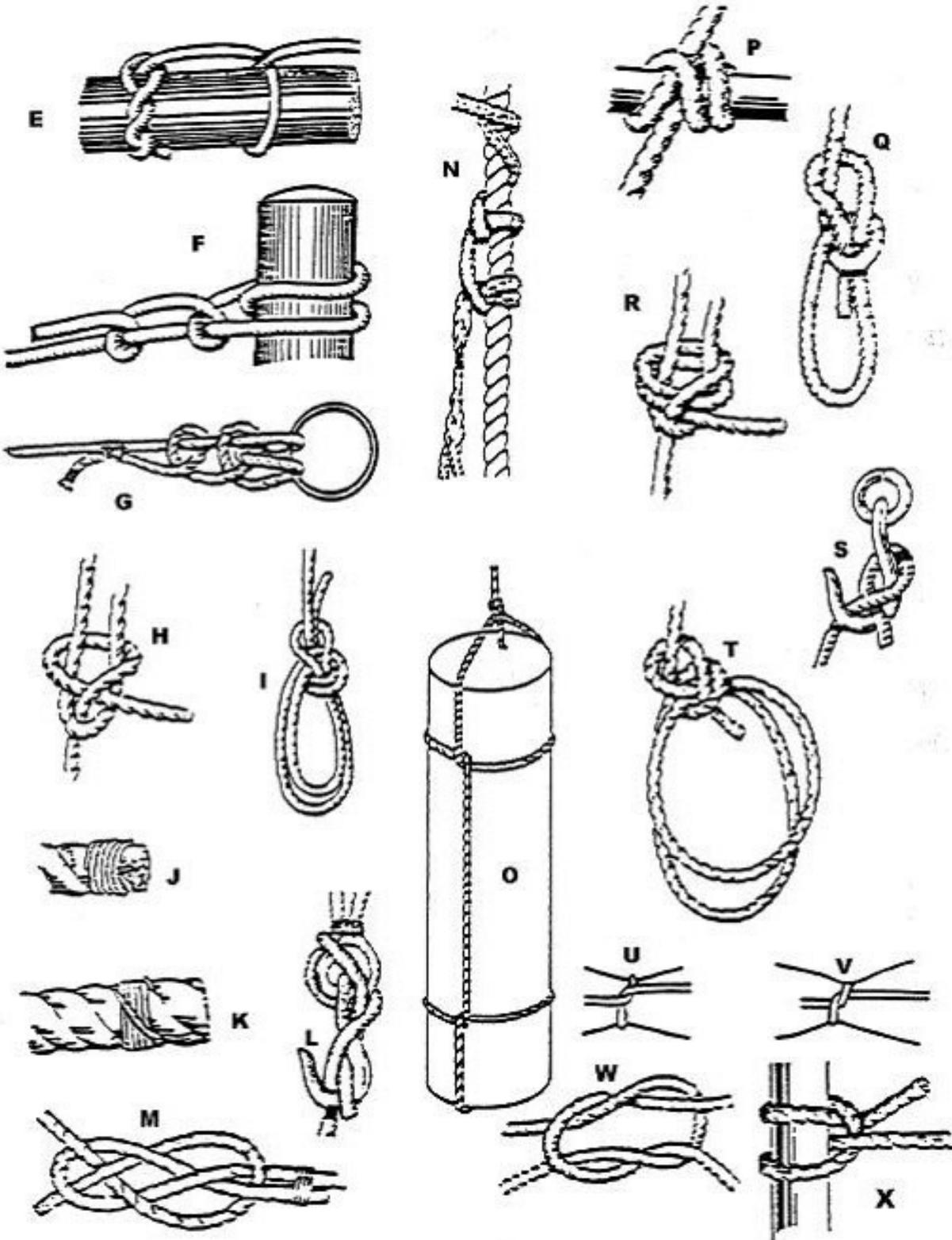
If choice A is selected set score to 1.

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

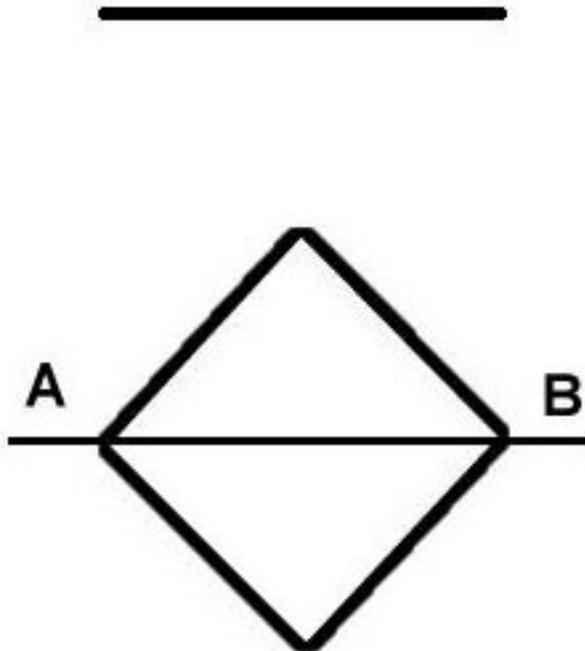
If choice B is selected set score to 1.

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