

U.S.C.G. Merchant Marine Exam

Master Less than 100 Gross Registered Tons

Q160 Deck General

(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

1. 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.

2. For what purpose may gasoline be used on small passenger vessels?
- (A) Heating
 - (B) Cooking
 - (C) Lighting
 - (D) None of the above

If choice D is selected set score to 1.

3. 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.

4. 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.

5. When inspecting ground tackle, fractures are most frequently found in the _____.
- (A) end links
 - (B) fluke
 - (C) swivel
 - (D) anchor shank

If choice A is selected set score to 1.

6. A vessel loads 5000 tons of manganese ore. The railroad cars that brought the ore to the vessel were previously loaded with iron ore so the ore is contaminated. The agent requests the Master to sign a Clean Bill of Lading and in return the shipper will give him a Letter of Indemnity. What is the best procedure to follow?
- (A) Refuse to sign a Clean Bill of Lading.
 - (B) Sign a Clean Bill of Lading and accept the Letter of Indemnity.
 - (C) Sign the Clean Bill of Lading and have the agent countersign it.
 - (D) Sign a Clean Bill of lading under protest.

If choice A is selected set score to 1.

7. 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) move more weight forward
 - (B) increase speed
 - (C) shift the rudder back and forth several times
 - (D) decrease speed

If choice D is selected set score to 1.

8. 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.

9. 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.

10. Which is part of the ground tackle?

- (A) Devil's claw
- (B) Gooseneck
- (C) Charlie noble
- (D) Rat's tail

If choice A is selected set score to 1.

11. When instructing a crew member concerning the right way to lift a weight, you would instruct him to _____.

- (A) bend his back and stoop with arms straight
- (B) arch the back to add strength to the muscles
- (C) bend his back and stoop
- (D) bend his knees and lift with his legs

If choice D is selected set score to 1.

12. 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.

13. 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.

14. 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) signal the engineroom to stop the engines
- (B) call the engineroom
- (C) call the Master
- (D) shift the selector switch to the other steering pump

If choice D is selected set score to 1.

15. A copy of the Articles of Agreement, less the signatures, is required to be posted. What is this document called?

- (A) Voyage Agreement
- (B) Shipping Articles
- (C) Forecastle Card
- (D) Articles Copy

If choice C is selected set score to 1.

16. 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.

17. You are a watchstanding 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) the mate being relieved says, "You have the conn" and you state the ship's course
- (B) you say, "I relieve you" and you state the course per gyro and magnetic compasses
- (C) the mate being relieved tells you the vessel's course and speed and states that you have the watch
- (D) you state the vessel's charted position, present course and port of destination

If choice B is selected set score to 1.

18. When piloting a vessel, how are visual references used to establish a constant rate of turn?

- (A) Visual references cannot be used to maintain a constant rate of turn.
- (B) Begin the turn when the fixed object is on the beam.
- (C) Fixed objects that stay on the same relative bearing when the ship is turning indicate a constant rate of turn.
- (D) Keep the fixed object's relative bearing opening, for a constant rate of turn.

If choice C is selected set score to 1.

19. 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.

20. You are docking a ship with a single-screw tug assisting on your starboard bow. How should the tug be tied up if you are anticipating that she will have to hold your bow off while you stem the current?

- (A) The tug would need at least two head lines.
- (B) The tug should put a stern line up, leading ahead on the ship.
- (C) The tug should put a spring line up, leading astern on the ship.
- (D) One head line would be sufficient.

If choice B is selected set score to 1.

21. 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.

22. 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.

23. You are planning to anchor in an area where several anchors have been lost due to fouling. As a precaution, you should _____.

- (A) anchor with scope of 8 or more to 1
- (B) anchor using both anchors
- (C) use a stern anchor
- (D) fit a crown strap and work wire to the anchor

If choice D is selected set score to 1.

24. 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.

25. 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.

26. Your vessel is broken down and rolling in heavy seas. You can reduce the danger of capsizing by _____.

- (A) moving all passengers to the stern
- (B) moving all passengers to one side of the boat
- (C) rigging a sea anchor
- (D) constantly shifting the rudder

If choice C is selected set score to 1.

27. 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.

28. 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.

29. 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.

30. You are operating a 1,000 GT non-ocean going tankship. It must be equipped with _____.

- (A) a means on the weather deck to stop each pump used to discharge oily waste
- (B) a fixed piping system for bilge slops with one outlet on each side of the weather deck
- (C) two pumps for discharging oily bilge slops
- (D) None of the above

If choice D is selected set score to 1.

31. 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.

32. Which space(s) is(are) exempt when measuring gross tonnage?

- (A) Part of the wheelhouse used to control vessel
- (B) Steering gear room
- (C) Auxiliary machinery spaces above the uppermost continuous deck
- (D) All of the above

If choice D is selected set score to 1.

33. 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.

34. 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.

35. Which statement concerning dual-tonnage vessels is TRUE?

- (A) The tonnages referred to are the displacement tonnage and gross tonnage.
- (B) A single-deck vessel may not be assigned dual tonnages.
- (C) The dual-tonnage mark is always marked above the load line marks.
- (D) The dual-tonnage mark must never be submerged beyond the freshwater allowance.

If choice B is selected set score to 1.

36. 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.

37. 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.

38. 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.

39. In the small passenger vessel regulations a coastwise route is defined as one that is _____.

- (A) not more than 50 statute miles from shore in the Gulf of Mexico
- (B) not more than 20 statute miles from the nearest safe harbor in the Pacific Ocean
- (C) not more than 20 nautical miles offshore in the ocean
- (D) on ocean waters more than 200 nautical miles from shore in the Gulf of Alaska

If choice C is selected set score to 1.

40. In the regulations that apply to small passenger vessels an "open boat" is a vessel _____.

- (A) on which gambling and consumption of alcoholic beverages is permitted
- (B) that is not protected from entry of water by means of a complete weathertight deck
- (C) that is used for charter fishing or tours and is open to the public
- (D) that is docked and open for visitors

If choice B is selected set score to 1.

41. 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.

42. How do you know how many passengers you may carry? (small passenger vessel regulations)

- (A) As many as possible
- (B) Use your own judgment
- (C) The amount on the Certificate of Inspection
- (D) No more than 40 passengers

If choice C is selected set score to 1.

43. 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.

44. 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.

45. Before issuing an initial Certificate of Inspection, the construction arrangement and equipment of a vessel must be acceptable to the _____. (small passenger vessel regulations)

- (A) U.S. Salvage Marine Surveyor
- (B) American Bureau of Shipping Surveyor
- (C) Officer in Charge, Marine Inspection
- (D) U.S. Customs Collector

If choice C is selected set score to 1.

46. As appropriate for the voyage, all vessels must carry adequate and up-to-date _____. (small passenger vessel regulations)

- (A) Coast Pilots
- (B) Light Lists
- (C) charts
- (D) All of the above

If choice D is selected set score to 1.

47. 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.

48. All life jackets carried on board small passenger vessels are required to be marked _____. (small passenger vessel regulations)

- (A) with the vessel's name
- (B) with the vessel's official number
- (C) with the maximum weight to be held by the life preserver
- (D) with the maximum serviceable life of the life preserver

If choice A is selected set score to 1.

49. 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

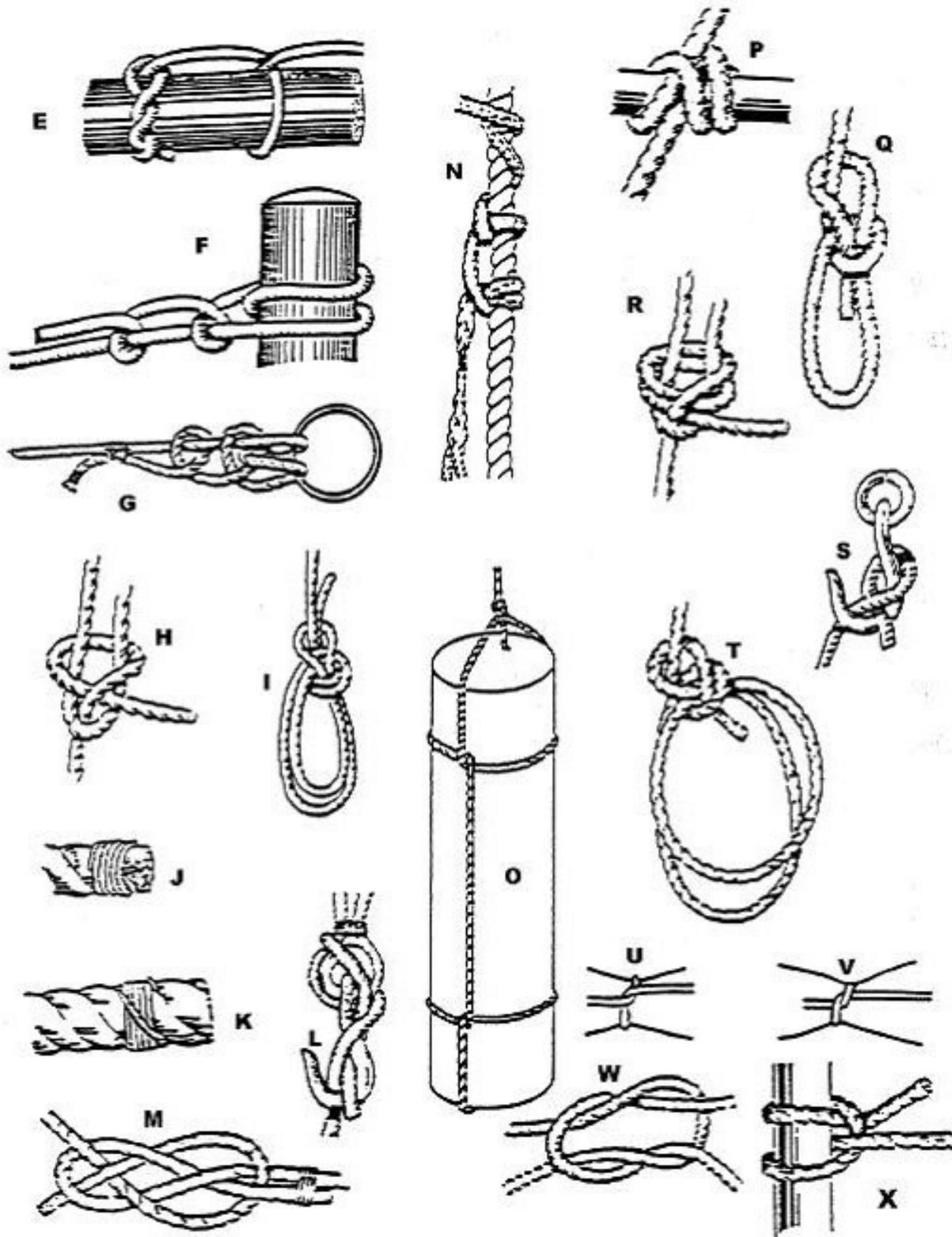
If choice B is selected set score to 1.

50. 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.

D030DG



Adapted for testing purposes only
Further reproduction prohibited without permission