

U.S.C.G. Merchant Marine Exam

Master Less than 500-1600 Gross Registered Tons

Q386 Deck General

(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

1. You are the credentialed Master of a 100 GT towing vessel sailing coastwise. What percentage of the deck crew must be able to understand any order spoken by the officers?
- (A) 50%
 - (B) 65%
 - (C) 75%
 - (D) 100%

If choice C is selected set score to 1.

2. Which document is NOT required by law to be posted aboard a vessel?
- (A) Muster List
 - (B) Official Crew List
 - (C) Officer's licenses
 - (D) Certificate of Inspection

If choice B is selected set score to 1.

3. A vessel arrives at the port of San Francisco from Yokohama, Japan. The passengers fill out the Baggage Declaration and Entry form. A passenger has baggage arriving on another vessel. How must this baggage be handled for U.S. Customs purposes?
- (A) It need not be declared at this time.
 - (B) It must be declared on the same form and marked "Unaccompanied Baggage".
 - (C) It must be declared on another form entitled "Continuation Sheet".
 - (D) It must be declared only if the other vessel's name is known.

If choice B is selected set score to 1.

4. 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.

5. 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 port
- (B) as influenced by the tide and sea
- (C) to starboard
- (D) straight ahead

If choice A is selected set score to 1.

6. A fire has damaged 20 bales of cotton on a freighter loaded with general cargo. This claim would come under _____.

- (A) total loss of a part
- (B) constructive total loss
- (C) general average
- (D) particular average

If choice D is selected set score to 1.

7. 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.

8. The boom indicator on a crane will indicate the _____.

- (A) lifting capacity of the boom
- (B) direction of the boom
- (C) length of the boom
- (D) angle of the boom

If choice D is selected set score to 1.

9. The rope which is the lightest is _____.

- (A) dacron
- (B) nylon
- (C) polypropylene
- (D) manila

If choice C is selected set score to 1.

10. Which statement about tunnel bow thrusters fitted to large vessels is TRUE?

- (A) When going astern at slow speed, they provide effective steering control.
- (B) Because of their location, most modern installations have as much power as a tug.
- (C) They are fully effective at all drafts.
- (D) They are effective on most vessels at speeds up to 10 knots.

If choice A is selected set score to 1.

11. Unless extremely flexible wire rope is used, the sheave diameter should always be as large as possible, but should never be less than _____.

- (A) 2 times the rope diameter
- (B) 10 times the rope diameter
- (C) 20 times the rope diameter
- (D) the rope diameter

If choice C is selected set score to 1.

12. 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 engine room to stop the engines
- (B) call the engine room
- (C) call the Master
- (D) shift the selector switch to the other steering pump

If choice D is selected set score to 1.

13. 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.

14. 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.

15. According to the Chemical Data Guide, which extinguishing agent is recommended for use in fighting an ethylamine fire?

- (A) Sand or Sawdust
- (B) Water foam
- (C) Dry chemical
- (D) Water fog

If choice C is selected set score to 1.

16. 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.

17. 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.

18. 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.

19. 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.

20. Which type of rudder may lose its effectiveness at angles of 10 or more degrees?

- (A) Balanced spade
- (B) Contra-guide
- (C) Unbalanced
- (D) Flat plate

If choice A is selected set score to 1.

21. The force exerted by a propeller which tends to throw the stern right or left is called _____.

- (A) rotational force
- (B) sidewise force
- (C) thrust
- (D) slip

If choice B is selected set score to 1.

22. How long is a credential issued by the U.S. Coast Guard for apprentice mate (steersman) of Towing Vessels valid for?

- (A) 5 years and must be renewed
- (B) 2 years and must be renewed
- (C) 3 years and must be renewed
- (D) None of the above

If choice A is selected set score to 1.

23. If you observe any situation which presents a safety or pollution hazard during fuel transfer operations, what action should you take FIRST?

- (A) Sound the fire alarm
- (B) Close the valves at the transfer manifold
- (C) Shut down the transfer operation
- (D) Notify the person in charge of the shore facility

If choice C is selected set score to 1.

24. 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.

25. A credentialed Master of Towing Vessels may NOT serve as the Captain of which towing vessel?

- (A) 199 GRT towing vessel operating in the Gulf of Alaska
- (B) 400 GRT towboat operating on the Western Rivers
- (C) 375 GRT towing vessel operating between Texas and Puerto Rico
- (D) 99 GRT towing vessel operating on Chesapeake Bay

If choice C is selected set score to 1.

26. According to U.S. regulations, if a cargo hose shows a small leak in its fabric, when may it be used to transfer oil?

- (A) after a drip pan is placed under the leak
- (B) after the terminal foreman is notified
- (C) never the hose must be replaced
- (D) after the hose leak is securely wrapped

If choice C is selected set score to 1.

27. 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.

28. 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.

29. What does a Certificate of Financial Responsibility attest to?

- (A) has financial reserves to meet reasonable expected crew costs of an intended voyage
- (B) will assume the responsibility for any damage or loss to the shipper
- (C) has financial backing to meet any liability resulting from the discharge of oil
- (D) has the minimum required amount of P & I and hull insurance

If choice C is selected set score to 1.

30. You are in port A in the United States, and your Certificate of Inspection has expired. You wish to go to port B in the United States for repairs and to complete the inspection. If the Officer-in-Charge Marine Inspection deems it safe, he may issue a _____.

- (A) Certificate of Seaworthiness
- (B) Limited Certificate of Inspection
- (C) Temporary Certificate of Inspection
- (D) Permit to Proceed

If choice B is selected set score to 1.

31. Which type of carrier accepts without discrimination all legal cargoes of a shipper?

- (A) Industrial
- (B) Common
- (C) Tramp
- (D) Private

If choice B is selected set score to 1.

32. What is NOT a requirement for a salvage claim?

- (A) The property must be in peril.
- (B) The property saved must be "maritime property."
- (C) The salvage service must be voluntary.
- (D) The salvors must save or attempt to save any life in peril.

If choice D is selected set score to 1.

33. 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.

34. 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.

35. 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.

36. 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.

37. Camphor oil is classified as a _____.

- (A) Grade A flammable liquid
- (B) Grade C flammable liquid
- (C) Grade D combustible liquid
- (D) Grade E combustible liquid

If choice C is selected set score to 1.

38. Using the available references, if the dry bulb temperature is 58° and the wet bulb temperature is 53°, what is the relative humidity in a cargo hold?

- (A) 56%
- (B) 61%
- (C) 66%
- (D) 72%

If choice D is selected set score to 1.

39. Your containership has a container displaying a hazardous cargo placard. The placard has the number 2282 on it. This indicates that it is carrying what cargo?

- (A) Hexanols
- (B) Phosphine
- (C) Isoheptene
- (D) Furan

If choice A is selected set score to 1.

40. Which product(s) is(are) compatible with the product ethylene cyanohydrin?

- (A) Sulfuric acid
- (B) Nitric acid
- (C) Ammonia
- (D) Isocyanates

If choice C is selected set score to 1.

41. What certificate verifies that a liquefied gas tanker complies with the requirements with regard to their structure, equipment, fittings, arrangements, and materials?

- (A) Certificate for the Carriage of Noxious Liquid Substances
- (B) International Oil Prevention Certificate
- (C) Cargo Ship Safety Construction
- (D) Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

If choice C is selected set score to 1.

42. 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.

43. 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.

44. 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 flame screens
- (C) With warning signs
- (D) With pressure-vacuum relief valves

If choice B is selected set score to 1.

45. The required number and type of hand portable fire extinguishers to be carried in the vicinity of the radio room exit for a tank vessel on an international voyage is one _____.

- (A) B-I
- (B) B-II
- (C) C-I
- (D) C-II

If choice D is selected set score to 1.

46. 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.

47. 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.

48. The American Consul has asked the Master of a vessel bound for a port in the U.S. to transport a destitute seaman back to the U.S. Which action may the Master take?

- (A) He must take the seaman even if the seaman has a contagious disease.
- (B) He is always required to take the seaman.
- (C) He may refuse to accept the seaman if the seaman is medically unfit.
- (D) He may refuse to take the seaman if it will violate the Certificate of Inspection.

If choice D is selected set score to 1.

49. The American Consul has asked the Master of a vessel bound for a port in the U.S. to transport a destitute seaman back to the U.S. Which action may the Master take?

- (A) He is required to accept the seaman only if the seaman is medically unfit.
- (B) He may refuse to take the seaman if the ship will not stop at a U.S. port within 30 days.
- (C) He may refuse to take the seaman if the seaman has a contagious disease.
- (D) He is required to take the seaman under any circumstance.

If choice C is selected set score to 1.

50. Instructions to the crew in the use of all the ship's lifesaving equipment shall be completed _____.

- (A) within one week of sailing
- (B) within any two month period
- (C) in one month and repeated quarterly
- (D) before sailing

If choice B is selected set score to 1.