U.S.C.G. Merchant Marine Exam

Master Near Coastal Less than 100 Gross Registered Tons

Q160 Deck General

(Sample Examination)
Choose the best answer to the following Multiple Choice Questions.

1. When anchoring, good practice requires 5 to 7 fathoms of chain for each fathom of depth. Which is TRUE when anchoring in deep water?
   - (A) Use less chain for each fathom of depth
   - (B) Use the same ratio
   - (C) Use two anchors with the same ratio of chain
   - (D) Veer more chain for each fathom of depth

   If choice A is selected set score to 1.

2. You are loading at port A, governed by the summer load line mark, for a voyage to port B, governed by the winter mark. The fresh water allowance is 10", and the hydrometer reads 1.020. Which statement is TRUE?
   - (A) You may load to the summer mark plus 2 inches if you will be at the winter mark when entering the winter zone.
   - (B) You may not load beyond the winter mark except for 2 inches brackish water allowance.
   - (C) You may not load beyond the summer mark and must be at the winter mark upon arrival at port B.
   - (D) You may not load beyond the summer mark plus 8 inches brackish water allowance.

   If choice A is selected set score to 1.

3. When are Operators of Uninspected Passenger Vessels required to keep their Coast Guard credential aboard their vessel?
   - (A) only when carrying passengers for hire
   - (B) At all times
   - (C) only when operating more than one mile from shore
   - (D) only when operating at night

   If choice A is selected set score to 1.

4. Which space(s) is(are) deducted from gross tonnage to derive net tonnage?
   - (A) Passenger spaces
   - (B) Companions and booby hatches
   - (C) Boatswain’s stores
   - (D) All of the above

   If choice C is selected set score to 1.
5. On a documented small passenger vessel, what information must be permanently affixed in block-type letters and/or numerals to the main beam or other clearly visible interior structural part of the hull?

- (A) Draft markings
- (B) The vessel's name and gross tonnage
- (C) The vessel's official number
- (D) The vessel's name and home port

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

6. On small passenger vessels, when must watchmen patrol throughout the vessel to guard against and give alarm in case of fire or other danger?

- (A) At all times when the vessel is underway
- (B) At all times outside normal work hours
- (C) When the rest of the crew is asleep
- (D) During the nighttime when the vessel carries overnight passengers

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

7. Where can the deepest water when rounding a bend in a river be located?

- (A) Toward the inside of the bend
- (B) Toward the outside of the bend
- (C) In the center of the river
- (D) Toward the center of the river just before the bend, then change course for the river's center after the bend

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

8. You are conducting trials to determine the maneuvering characteristics of your vessel. While making a turn you take the ranges and bearings of an isolated light. The results are shown in illustration D034DG below. What is the transfer for a turn of 75°?

- (A) 340 yards (306 meters)
- (B) 300 yards (274 meters)
- (C) 230 yards (207 meters)
- (D) 190 yards (171 meters)

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

9. How is the size of chain determined?

- (A) Diameter of metal in link in inches
- (B) Links per fathom
- (C) Length of link in inches
- (D) Weight of stud cable in pounds

*If choice A is selected set score to 1.*
10. Before being certified by the American Bureau of Shipping, what must the chain undergo?

- (A) A breaking test
- (B) A USCG inspection
- (C) An x-ray inspection
- (D) A spectroanalysis

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

11. What type of knot in illustration D030DG is indicated by the letter “P”?

- (A) Clove hitch
- (B) Rolling hitch
- (C) Marline hitch
- (D) Round turn and two half hitches

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

12. Unless otherwise stated, the term "approved" when applied to a small passenger vessel's equipment, means approved by which organization?

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

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

13. Which is usually the most gentle way of riding out a severe storm on a larger vessel?

- (A) Hove to
- (B) Rig a sea anchor
- (C) Running before the seas
- (D) Head into the seas at slow speeds

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

14. On board small passenger vessels, how often shall the Master test the steering gear?

- (A) Before getting underway for the day's operations
- (B) Once a week
- (C) Once a month
- (D) Every 72 operating hours while underway

*If choice A is selected set score to 1.*
15. For safety reasons, a stage should only be rigged in which location?

- (A) Over the open water side of the vessel
- (B) Over the bow or stern of a vessel
- (C) Over the flat sides of a vessel
- (D) Over the dockside of the vessel

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

16. Under identical load conditions, nylon, when compared with natural fiber line, will respond in which manner?

- (A) Nylon will stretch more and have less strength
- (B) Nylon will stretch more and have greater strength
- (C) Nylon will stretch less and have less strength
- (D) Nylon will stretch less and have greater strength

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

17. Which it TRUE for a vessel’s Certificate of Documentation?

- (A) It must be posted under transparent material in the pilothouse
- (B) It must be carried on board
- (C) It may be retained by the owner at the home port OR kept on the vessel
- (D) It must be kept on file at the corporate offices of the owner or operator

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

18. Which vessel must carry a compass on board? (small passenger vessel regulations)

- (A) A vessel operating on the Ohio River
- (B) A non-self-propelled vessel
- (C) A vessel operating on the Gulf of Mexico
- (D) A vessel operating in protected waters with a short restricted route

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

19. The lookout sights a vessel dead ahead. How would this be reported on the bell?

- (A) One strike on the bell
- (B) Two strikes on the bell
- (C) Three strikes on the bell
- (D) Four strikes on the bell

*If choice C is selected set score to 1.*
20. Which agency both assigns load lines, and issues Load Line Certificates?
   - (A) The Secretary of Commerce
   - (B) The U.S. Coast Guard
   - (C) The American Bureau of Shipping
   - (D) The U.S. Customs

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

21. Whenever an inspected vessel is dry-docked for major repairs, who should the person in charge of the vessel, the owner or the agent report this to? (small passenger vessel regulations)
   - (A) Officer in Charge, Marine Inspection
   - (B) National Cargo Bureau, Inc.
   - (C) American Boat and Yacht Council, Inc.
   - (D) All of the above

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

22. Which term defines “An electronic or electric device that indicates the rate of turn of a vessel,”?
   - (A) Gyro-compass
   - (B) Magnetic compass
   - (C) Swing meter
   - (D) Odometer

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

23. How long shall the Oil Record Book be maintained on a vessel engaged in coastwise trade?
   - (A) 12 months
   - (B) 24 months
   - (C) 36 months
   - (D) 48 months

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

24. You are heading into the sea during rough weather. What may happen if there is too much weight forward in your small boat?
   - (A) The craft will rise rapidly over the wave
   - (B) The craft will list severely
   - (C) The craft will broach
   - (D) The craft may plunge into the wave

   *If choice D is selected set score to 1.*
25. Fire fighting equipment requirements for a particular vessel may be found on which document?

- (A) Classification Certificate
- (B) Certificate of Inspection
- (C) Certificate of Seaworthiness
- (D) Certificate of Registry

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

26. 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. What is the size requirement of the markings?

- (A) Not less than 6 inches in height
- (B) Not less than 5 inches in height
- (C) Not less than 4 inches in height
- (D) Not less than 3 inches in height

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

27. What is the name of the mark indicated by the letter E in illustration D003DG below?

- (A) Fresh water line
- (B) Summer water line
- (C) Tropical water line
- (D) Winter water line

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

28. What is the function of the "rudder adjustment" control on an autopilot steering stand?

- (A) To set the rate at which the rudder responds
- (B) To set the departure from base course before actuating the rudder
- (C) To set the number of degrees of rudder per degree of course error
- (D) To align the rudder angle indicator with the true rudder angle

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

29. Which is an exception to the garbage discharge requirements in Annex V to MARPOL 73/78?

- (A) Garbage accumulation on board has exceeded storage space.
- (B) A person falls overboard, and a plastic ice chest is thrown for flotation.
- (C) The destination port or terminal cannot receive garbage.
- (D) The garbage to be discharged will sink.

*If choice B is selected set score to 1.*
30. In the regulations that apply to small passenger vessels which describes an "open boat"?

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

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

31. According to 46 CFR Subchapter T the definition of a ferry includes which vessels?

- (A) Vessels that operate on a short run on a frequent schedule between two points over the most direct water route
- (B) Vessels that operate in other than ocean or coastwise service
- (C) Vessels that have provisions only for deck passengers, vehicles, or both
- (D) All of the above

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

32. What is a sailmaker's hook used for?

- (A) Parceling
- (B) Sewing canvas
- (C) Hoisting a windsail
- (D) Testing canvas

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

33. What is the minimum number of bolts required in a temporary bolted flange oil hose coupling that meets American National Standards Institute (ANSI) standard flange requirements?

- (A) 4
- (B) 3
- (C) 6
- (D) A bolt must be used in every hole.

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

34. Which action will take place if a crew member is replaced in a U.S. port after foreign articles have been signed, and the ship proceeds foreign?

- (A) The U.S. Consul will add the new man's name to the Certified Crew List.
- (B) The Master will remove the replaced man's name from the Certified Crew List but not from the articles.
- (C) The U.S. Consul will remove the replaced man's name from the Certified Crew List.
- (D) The name of the new man is added to the articles but not to the Certified Crew List.

*If choice D is selected set score to 1.*
35. 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.*

36. At each initial and subsequent inspection for certification, which inspection procedure must be conducted on all carbon dioxide fire extinguishers aboard a vessel? (small passenger vessel regulations)

- (A) All units must be weighed
- (B) All units must be checked for pressure loss
- (C) All units must be sent ashore for hydro testing
- (D) All units must be discharged and recharged

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

37. Which statement is TRUE when amendments are made to the Shipboard Oil Pollution Emergency Plan, and the revisions have been submitted to the Coast Guard?

- (A) Submit changes one month before the anniversary date of the plan
- (B) Submit only changes six months before the end of the approval period
- (C) The Plan cannot be implemented without approval
- (D) The Plan can be implemented without immediate approval as long as final approval is received within six months of submission

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

38. In which case is the IOPP Certificate of an inspected vessel NOT invalidated?

- (A) The required oily-water separator malfunctions.
- (B) The ship is transferred to Liberian registry.
- (C) An annual survey is conducted fifteen months after the date of certificate issuance.
- (D) A 15 ppm oily-water separator is replaced by a 100 ppm oily-water separator.

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

39. Whenever a "T-Boat" is hauled out for repairs or alterations affecting its safety, which is/are the appropriate action(s) to take?

- (A) Provide a complete set of plans to the Commandant for review
- (B) Schedule a full safety equipment inspection
- (C) Notify the cognizant OCMI
- (D) Both B and C

*If choice C is selected set score to 1.*
40. Which T-Boat must be fitted with a suitable compass?

- (A) A vessel engaged in ocean or coastwise service
- (B) A vessel operating on a short, restricted route on lakes, bays, and sounds
- (C) The regulations do not require a compass on any vessel
- (D) A vessel in river service

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

41. According to U.S. regulations, what vessels are required to have the "Discharge of Oil Prohibited" placard?

- (A) U.S. Vessels 26 feet or more in length
- (B) U.S. vessels less than 26 feet in length
- (C) Foreign vessels not in U.S. navigable waters
- (D) Foreign vessels when engaged in noncommercial service

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

42. Which term is given to laying out a line in successive circles flat on deck with the bitter end in the center?

- (A) Flemishing
- (B) Faking
- (C) Lining
- (D) Coiling

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

43. 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. Which action should you take?

- (A) Increase speed and put the rudder hard right
- (B) Stop engines and put the rudder hard left
- (C) Decrease speed and put the rudder hard right
- (D) Back full with rudder amidships

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

44. The anchor chain has one entire shot painted red. What would that indicate on a merchant vessel?

- (A) This is the first shot of chain
- (B) This is the next to the last shot of chain
- (C) The color has no significance
- (D) This is the last shot of chain

*If choice D is selected set score to 1.*
45. As appropriate for the voyage, according to small passenger vessel regulations, all vessels must carry which adequate and up-to-date item(s)?

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

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

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

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

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

47. How is the minimum bursting pressure for each cargo hose assembly determined?

- (A) The sum of the relief valve setting plus the static head
- (B) Twice the sum of the relief valve setting plus the static head
- (C) Three times the sum of the relief valve setting plus the static head
- (D) Four times the sum of the relief valve setting plus the static head

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

48. As a ship moves through the water, it drags with it a body of water called the wake. Which term defines the ratio of the wake speed to the ship's speed?

- (A) Speed of advance
- (B) Wake distribution
- (C) Propeller velocity
- (D) Wake fraction

*If choice D is selected set score to 1.*
49. The effect known as "bank cushion" acts in which of the following ways on a single-screw vessel proceeding along a narrow channel?

- (A) It forces the bow away from the bank.
- (B) It forces the entire vessel away from the bank.
- (C) It forces the stern away from the bank.
- (D) It heels the vessel toward the bank.

If choice A is selected set score to 1.

50. Which should you check before letting the anchor go?

- (A) The wildcat is disengaged
- (B) The chain is clear
- (C) The anchor is clear of obstructions
- (D) All of the above

If choice D is selected set score to 1.
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