

U.S.C.G. Merchant Marine Exam

Master or Mate Less than 200 Gross Registered Tons

Q150 Deck General

(Sample Examination)

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

1. You are signing on a crew. Which person is presenting a Merchant Mariner's Document (MMD) that you should suspect as being invalid?
- A. A Purser with an MMD only endorsed "See certificate of registry"
 - B. A Chief Steward with an MMD only endorsed as "Steward's Dept. (FH)"
 - C. A seaman with an MMD only endorsed as "Bosun"
 - D. An AB with an endorsement of "Any unlicensed rating in the deck department including Able Seaman"

Correct answer: C

2. Which condition must be met during a stability test on an inspected vessel?
- A. The vessel must be moored snugly
 - B. All dunnage, tools, and extraneous items are secured
 - C. Water under vessel must be deep enough to prevent grounding
 - D. Each tank must be partially full to show it does not leak

Correct answer: C

3. Under the Carriage of Goods by Sea Act of 1936, a vessel will be liable for damage to cargo when the damage arises out of which situation?
- A. Overloading the vessel
 - B. A fire caused by lightning
 - C. The poor stowage of cargo in a container
 - D. Inherent vice

Correct answer: A

4. While operating your oceangoing vessel you must keep a record of any discharge or disposal of garbage. When should these entries be made?
- A. Before the end of the voyage
 - B. Before arriving at your next port
 - C. No later than 24 hours after disposal of the garbage
 - D. At the time the garbage was disposed

Correct answer: D

5. When passing a moored vessel in a narrow channel which actions will help minimize wake damage?
- A. Reduce speed and make a notation in the bell book
 - B. Go half astern when abeam of the moored vessel
 - C. Stay on outside of channel and make a notation in the log book
 - D. Check the rudder several times while passing the vessel

Correct answer: A

6. Which international body is responsible for drafting the MARPOL convention prohibiting marine pollution?
- A. The Association of Seafaring Nations
 - B. The International Association of Shipping
 - C. The International Maritime Organization
 - D. The Maritime Advisory Council

Correct answer: C

7. Which term defines when a boat turns broadside to heavy seas and winds, thus exposing the boat to the danger of capsizing?
- A. Pitchpoled
 - B. Trimmed
 - C. Broached
 - D. Yawed

Correct answer: C

8. Which of the following grade classifications is assigned to Camphor oil?
- A. A
 - B. C
 - C. D
 - D. E

Correct answer: C

9. When bunkering at a dock which of the following signals must be displayed?
- A. A yellow flag by day, red light by night
 - B. A red flag by day, red light by night
 - C. A red flag by day, a blue light by night
 - D. A green flag by day, green light by night

Correct answer: B

10. Which term describes Cargoes that might leak from containers?
- A. Bulk cargoes
 - B. Caustic cargoes
 - C. Wet cargoes
 - D. Dirty cargoes

Correct answer: C

11. You are the officer on watch and have taken the final drafts of your vessel prior to getting underway. The vessel takes departure and proceeds outbound in a narrow channel. As the vessel increases speed and gains momentum, what will be the effect on the mean draft?
- A. It will increase if you decrease speed
 - B. It will increase in comparison to the sailing drafts
 - C. It will decrease in comparison to the sailing drafts
 - D. It will remain the same as the sailing drafts

Correct answer: B

12. While assigned to a 120 GRT vessel, you are required to sign "foreign" articles on a voyage from New York City to which port?

- A. Halifax, Canada
- B. Long Beach, California
- C. Saint Maarten, Netherlands Antilles
- D. Veracruz, Mexico

Correct answer: B

13. Why are the anchors dropped well out from the pier while at a Mediterranean moor?

- A. It increases the anchor's reliability by providing a large catenary in the chain
- B. It eliminates navigational hazards by allowing the chain to lie along the harbor bottom
- C. It permits the ship to maneuver in the stream while weighing anchors
- D. It will prevent damage to the stern caused by swinging against the pier in the approach

Correct answer: C

14. What is meant by veering the anchor chain?

- A. Paying out more chain
- B. Heaving in all the chain
- C. Bringing the anchor to short stay
- D. Locking the windlass to prevent more chain from running out

Correct answer: A

15. If an electric cargo winch is being used to lift a draft of cargo and the engine room loses all power, which will occur?

- A. The load will slowly lower to the deck under control of the drag of the winch motor.
- B. The load will fall rapidly to the deck unless the foot brake is engaged.
- C. A pawl, forced by a spring mechanism, will engage the teeth of the bull gear and hold the load.
- D. An electromagnetic brake will hold the load where it is suspended.

Correct answer: D

16. Which shallow water effect will increase dramatically if you increase your ship's speed past its "critical speed"?

- A. Bank cushion
- B. Smelling the bottom
- C. Sinkage
- D. Squatting

Correct answer: D

17. The signal man assisting the crane operator has his hands clasped in front of his body. This is the signal to _____.

- A. stand-by
- B. dog everything
- C. stop
- D. prepare for signal

Correct answer: B

18. 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 the terminal foreman is notified
- B. After a drip pan is placed under the leak
- C. After the hose leak is securely wrapped
- D. Never; the hose must be replaced

Correct answer: D

19. 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

Correct answer: C

20. The anchor chain has one entire shot of chain painted red. What is the bitter end of this shot attached to?

- A. A wire bridle system for emergency towing
- B. A spare chain for emergency use
- C. A ring in the deck or the bitter end of the other chain
- D. A pelican hook made up to an emergency marker buoy

Correct answer: C

21. Which is a requirement of a vessel in ocean service that does not have an approved means of processing oily bilge slops or oily ballast?

- A. The vessel shall have one portable adapter for a shore connection to the ballast line
- B. The vessel must have a discharge outlet for the ballast system on each side of the weather deck
- C. The vessel must have a fixed piping system to discharge the oily ballast to a reception facility
- D. All of the above

Correct answer: C

22. On an inspected vessel, which abbreviation refers to the horizontal distance between perpendiculars taken at the forward-most and the after-most points on the waterline at her deepest operating draft?

- A. LWL
- B. LLL
- C. LOA
- D. LBP

Correct answer: D

23. What is the name of the mark indicated by the letter F in illustration D003DG below?

- A. Winter load line
- B. Summer load line
- C. Tropical load line
- D. Fresh water load line

Correct answer: A

24. When cleaning up an oil spill in U.S. waters you must obtain the approval of the Federal On-Scene Coordinator before using which of the following?

- A. Skimmers
- B. Sawdust
- C. Chemical agents
- D. Straw

Correct answer: C

25. How long must a "Declaration of Inspection" be kept on board?

- A. One week
- B. Two weeks
- C. One month
- D. Three months

Correct answer: C

26. If you are bunkering and you close off one tank in the line of tanks being filled, what happens to the rate of flow to other open tanks on the same line?

- A. The rate of flow decreases to the open tanks
- B. The rate of flow increases to the open tanks
- C. The rate of flow remains constant to the open tanks
- D. The rate of flow stops to the open tanks

Correct answer: B

27. In the manufacture of wire rope, if the wires are shaped to conform to the curvature of the finished rope before they are laid up, the rope is called _____.

- A. composite
- B. improved
- C. preformed
- D. left-lay

Correct answer: C

28. You are underway in heavy weather and your bow is into the seas. Which action should you take to prevent pounding?

- A. Increase the speed of the vessel
- B. Put the seas on an 85 degree angle from the bow
- C. Decrease the speed of the vessel
- D. Secure all loose gear on your vessel

Correct answer: C

29. Which item is designed to show the position of the Rudder on the bridge?

- A. The rudder angle indicator
- B. The follow-up gear
- C. The Rapson slide indicator
- D. The telemotor position

Correct answer: A

30. A natural fiber rope can be ruined by dampness. How is the line ruined?

- A. It will unlay
- B. It shrinks
- C. It stretches
- D. It begins to rot

Correct answer: D

31. You are using an automatic tension winch by yourself. If you get caught in the turns of the line as they lead into the gypsyhead _____.

- A. the line will part and snap back
- B. the safety cutout will stop the winch before you're injured
- C. you may be pulled into the winch and injured or killed
- D. None of the above are correct

Correct answer: C

32. 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. on a Napier diagram
- B. in the vessel's Official Logbook
- C. in the compass deviation log
- D. on the compass deviation card

Correct answer: C

33. The turning circle of a vessel making a turn over 360 degrees is the path followed by which item?

- A. Bow
- B. Centerline
- C. Bridge
- D. Center of gravity

Correct answer: D

34. Which term(s) are in the category of "oil" as used in the Oil Pollution Regulations?

- A. Fuel oil
- B. Oil refuse
- C. Sludge
- D. All of the above

Correct answer: D

35. Which knot in illustration D030DG below represents a bowline?

- A. G
- B. H
- C. L
- D. Q

Correct answer: D

36. While on watch at sea you must maintain a proper lookout at all times. On a 700-foot cargo vessel being hand-steered during daylight hours in good visibility and clear of any navigational hazards, who may be the lookout?

- A. The helmsman
- B. The mate on watch
- C. Either A or B
- D. Neither A nor B

Correct answer: B

37. You have arrived at your anchorage location. You have put the engines astern prior to letting go the anchor. How will you know when the vessel has stopped making way?

- A. The backwash of the propeller reaches amidships
- B. The ship's Doppler log reads zero
- C. An azimuth bearing on the beam remains steady
- D. All of the above

Correct answer: A

38. What does the process of faking down a line mean?

- A. To arrange the line on deck in long bights
- B. To put a whipping on the line
- C. To coil it down on deck
- D. To stow the line below

Correct answer: A

39. Firefighting equipment requirements for a particular vessel may be found on which document?

- A. Certificate of Inspection
- B. Certificate of Registry
- C. Certificate of Seaworthiness
- D. Classification Certificate

Correct answer: A

40. You are conducting trials to determine the maneuvering characteristics of your vessel. While making a turn, you take ranges and bearings of an isolated light. The results are shown in illustration D034DG below. What is the transfer for a turn of 45°?

- A. 130 yards
- B. 165 yards
- C. 195 yards
- D. 230 yards

Correct answer: A

41. Most liquefied gas cargoes are flammable and are carried at or close to their boiling point. What will happen if they are released into the atmosphere?
- A. Burn, if it's within its flammable range and has an ignition source
 - B. Allow air to enter the system causing polymerization
 - C. Result in sloshing in the tank which could make the ship unstable
 - D. Freeze and possibly cause structural damage

Correct answer: A

42. On a passenger vessel over 400 gross tons, in which section are the routine entries recorded in the Oil Record Book?
- A. Part II (Cargo Oil/Ballast Operations)
 - B. Part I (Machinery Space Operations)
 - C. An Oil Record Book is not required on this vessel
 - D. Part III (Emergency Discharge/Spillage)

Correct answer: B

43. To determine the number of inflatable liferafts required on a vessel, you should check which document?
- A. Certificate of Inspection
 - B. SOLAS Certificate
 - C. Load Line Certificate
 - D. Stability Letter

Correct answer: A

44. A credential for apprentice mate (steersman) of towing vessels shall be renewed within what time period before or after the expiration date?
- A. 90 days
 - B. 6 months
 - C. 12 months
 - D. 30 days

Correct answer: C

45. You are proceeding in a channel, your vessel is requiring a significant amount of right rudder and your bow is still falling off to port. What can you conclude from this information?
- A. Your vessel is in the deepest section of the channel
 - B. Your vessel's turn rate indicator requires calibration
 - C. Your vessel has lost a blade on the screw
 - D. Your vessel is at the outer limits of the channel

Correct answer: D

46. The Certificate of Inspection of a damaged tank barge has expired. What certificate authorizes the barge to move to a repair facility for repair and inspection?

- A. Temporary Certificate of Inspection
- B. Change of Employment
- C. Application for Inspection
- D. Permit to Proceed

Correct answer: D

47. The safe working load (SWL) of wire rope with a safety factor of 6 is what percent of its strength?

- A. 10%
- B. 17%
- C. 50%
- D. 80%

Correct answer: B

48. You are docking an oceangoing single-screw vessel under normal circumstances with a single tug. Which is the usual function of the tug?

- A. To pull the vessel into the slip and is tied to the bow
- B. To push the ship bodily alongside and is tied to the offshore side on the stern
- C. To control the bow and is tied to the offshore bow
- D. To control the stern and is tied to the stern on the offshore side

Correct answer: C

49. What is the name of the mark indicated by the letter A in illustration D003DG below?

- A. Fresh Water load line
- B. Winter North Atlantic load line
- C. Plimsoll line
- D. Deck line

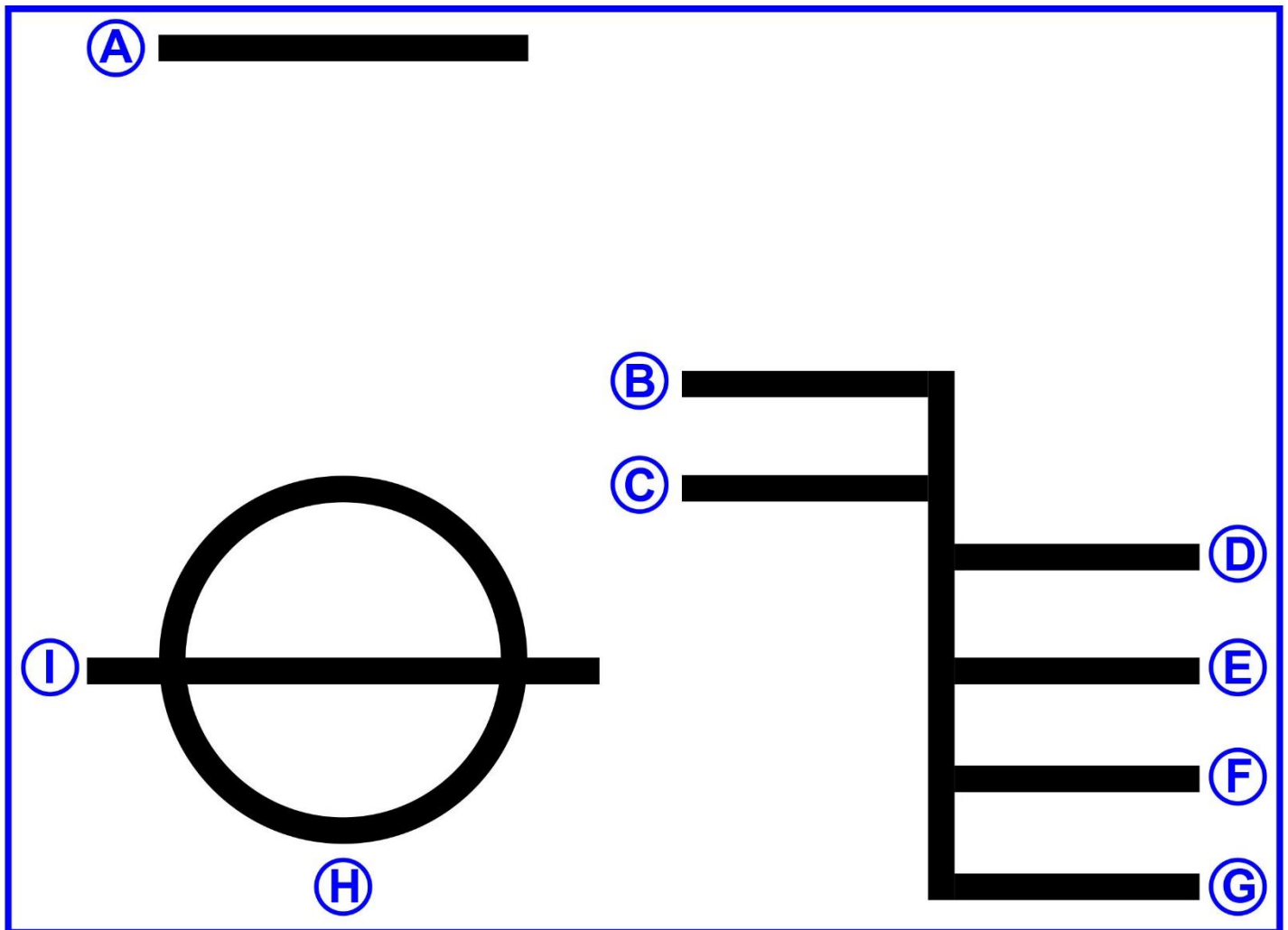
Correct answer: D

50. Which agency both assigns load lines, and issues Load Line Certificates?

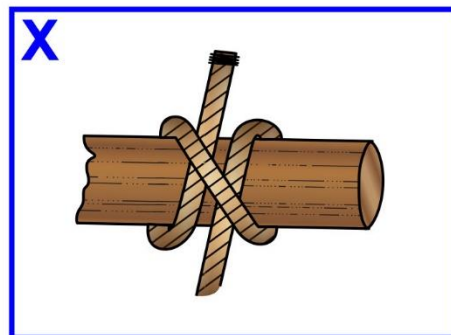
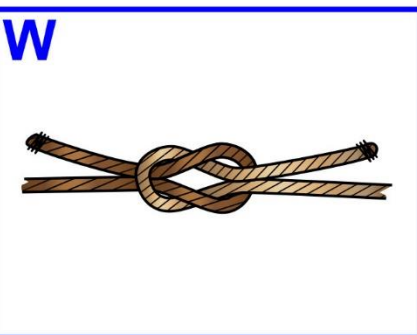
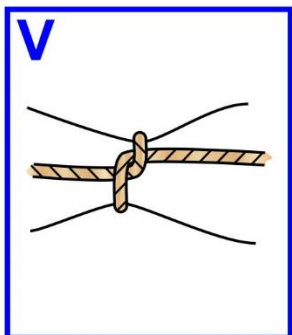
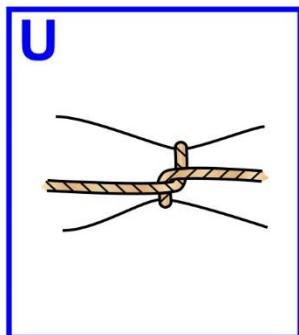
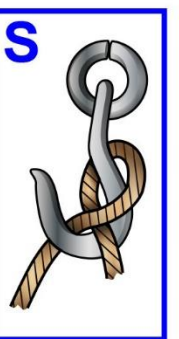
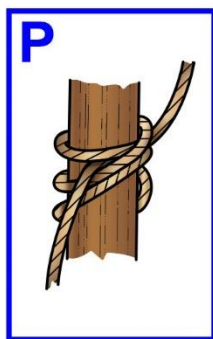
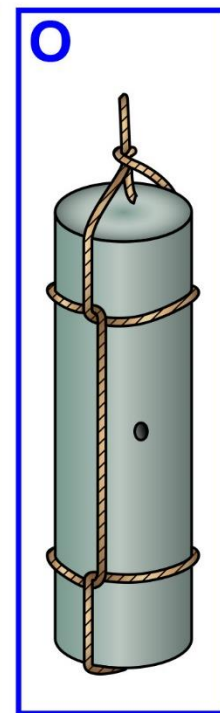
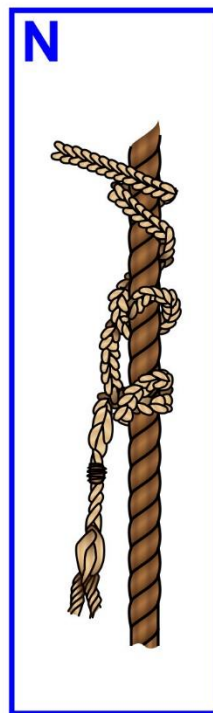
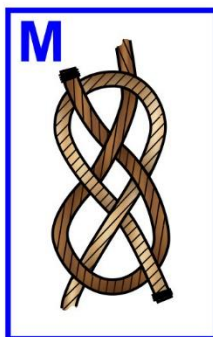
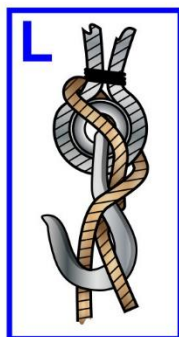
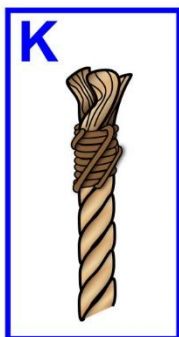
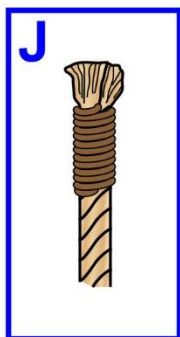
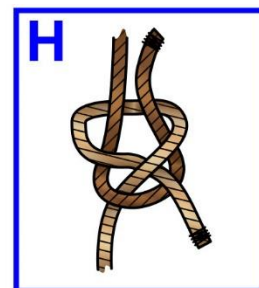
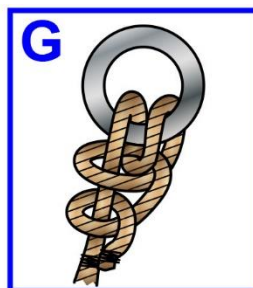
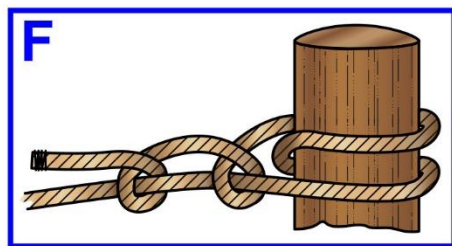
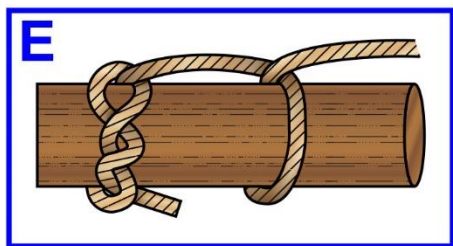
- A. The U.S. Customs
- B. The Secretary of Commerce
- C. The U.S. Coast Guard
- D. The American Bureau of Shipping

Correct answer: D

D003DG



D030DG



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D034DG

HEADING (TRUE)	BEARING (TRUE)	RANGE (YDS)	REMARKS
228°			INITIAL HEADING
228°	232°	2260	ON INITIAL COURSE
228°	234°	1700	RIGHT FULL RUDDER ORDERED
230°	236°	1490	
252°	235°	1275	
275°	231°	1000	
316°	214°	850	
352°	198°	975	
022°	194°	1210	
053°	197°	1430	
087°	202°	1600	
115°	209°	1690	
151°	217°	1700	
183°	225°	1600	
218°	232°	1350	RUDDER AMIDSHIPS
228°	235°	1125	STEADY ON 228°