

U.S.C.G. Merchant Marine Exam
Operator Uninspected Passenger Vessel Near Coastal
Q170 Deck General - Safety
(Sample Examination)

Choose the best answer to the following Multiple Choice Questions:

1. How is a safety shackle identified?

- ☐ (A) The color code
- ☐ (B) The shape
- ☐ (C) The certification stamp
- ☒ (D) The design of the pin

If choice d is selected set score to 1.

2. Which is the normal and safest way for a sailor to be lowered in a bosun's chair when descending vertically?

- ☐ (A) Lead the hauling part to a cleat on the mast and slack the sailor down
- ☐ (B) Taking several turns of the gantline on a winch drum and then lower the sailor by backing off on the winch
- ☐ (C) Lead the bight of the hauling part to a rail and taking several turns, then slacking away with the bight
- ☒ (D) For that sailor to feed the hauling part through a bosun's chair hitch

If choice d is selected set score to 1.

3. Which line would be least likely to kink?

- ☒ (A) Braided
- ☐ (B) Straight laid
- ☐ (C) Right-handed laid
- ☐ (D) Left-handed laid

If choice a is selected set score to 1.

4. Which mooring line has the most elastic elongation?

- ☐ (A) Polypropylene
- ☐ (B) Dacron
- ☐ (C) Manila
- ☒ (D) Nylon

If choice d is selected set score to 1.

5. You want to double the strength of a mooring line by using two lines. To accomplish this, which is TRUE of the second line?

- ☐ (A) It must be married to the first
- ☒ (B) It must be of the same length as the first
- ☐ (C) It must not cross the first
- ☐ (D) It must be 1 1/2 times the diameter of the first

If choice b is selected set score to 1.

6. Which is TRUE before a Master relieves a Pilot of the conn?

- ☐ (A) The Master must first request the Pilot to take corrective action
- ☐ (B) The vessel must be in extremis
- ☒ (C) The Master should foresee any danger to the vessel on the present course
- ☐ (D) The Master should agree to sign a release of liability form

If choice c is selected set score to 1.

7. Your vessel is moored portside to and you are taking over the Deck Watch. Which item has the most impact on the safety of the vessel and crew?

- ☐ (A) The API and Flash Point of the bunker fuel
- ☐ (B) The uncorrected local variation on the chart
- ☒ (C) The operational state of the main engine
- ☐ (D) The names of the visitors that have departed the vessel

If choice c is selected set score to 1.

8. While on duty as a look-out, which other duty may you perform?

- ☐ (A) Paint any area near your station
- ☐ (B) Overhaul a block, as long as it is at your look-out station
- ☐ (C) Sweep down the fo'c'sle
- ☒ (D) None of the above

If choice d is selected set score to 1.

9. Which action has a tendency to happen to a vessel proceeding along the bank of a river or channel with steep banks?

- ☐ (A) The vessel will hug the bank
- ☐ (B) The vessel will continue in line with the bank
- ☐ (C) The vessel will increase speed
- ☒ (D) The vessel will sheer away from the bank

If choice d is selected set score to 1.

10. Which statement is TRUE concerning River currents?

- ☐ (A) The currents pick up speed where the channel widens
- ☒ (B) Currents cause the greatest depth of water on the outside of a bend
- ☐ (C) The currents run slower in the center of the channel as opposed to the sides
- ☐ (D) A current will hug the inside of a bend

If choice b is selected set score to 1.

11. Which is the easiest way to anchor a vessel in a current?

- ☐ (A) Stop all headway through the water and keep the current astern when the anchor is dropped
- ☒ (B) Stem the current and be falling aft very slowly when the anchor is dropped
- ☐ (C) Stem the current and endeavor to make neither headway nor sternway when the anchor is dropped
- ☐ (D) Stem the current and make very slow headway when the anchor is dropped

If choice b is selected set score to 1.

12. Your vessel is port side to a pier with a spring line led aft from the bow. How will the vessel respond in calm weather, with the engines ahead and hard left rudder?

- ☐ (A) Both the bow and stern will move in
- ☐ (B) The bow will slip out and the stern in
- ☒ (C) The bow will swing in and the stern out
- ☐ (D) Both the bow and stern will move out

If choice c is selected set score to 1.

13. After casting off moorings at a mooring buoy in calm weather, which action should you take?

- ☒ (A) Back away a few lengths to clear the buoy and then go ahead on the engines
- ☐ (B) Go half ahead on the engines and put the rudder hard right
- ☐ (C) Go half ahead on the engines and pass upstream of the buoy
- ☐ (D) Go full ahead on the engine(s)

If choice a is selected set score to 1.

14. In moderate wind and current what should be the length of chain with a single anchor?

- ☒ (A) 5 times the depth of the water in good holding ground
- ☐ (B) 8 times the depth of the water in deep water
- ☐ (C) 2 times the depth of the water in poor holding ground
- ☐ (D) 10 times the depth of the water in shallow water

If choice a is selected set score to 1.

15. Which term defines when a vessel is swinging from side to side off course due to quartering seas?

- (A) Yawing
- (B) Broaching
- (C) Rolling
- (D) Pitchpoling

If choice a is selected set score to 1.

16. 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 broach
- (B) The craft will rise rapidly over the wave
- (C) The craft will list severely
- (D) The craft may plunge into the wave

If choice d is selected set score to 1.

17. Which term defines when a boat turns broadside to heavy seas and winds, thus exposing the boat to the danger of capsizing?

- (A) Broached
- (B) Pitchpoled
- (C) Trimmed
- (D) Yawed

If choice a is selected set score to 1.

18. Which expresses the term leeway?

- (A) The lateral movement of a vessel downwind of her intended course
- (B) The momentum of a vessel after her engines have been stopped
- (C) The difference between the true course and the compass course
- (D) The displacement of a vessel multiplied by her speed

If choice a is selected set score to 1.

19. Which is the best way to reduce your wake in a narrow channel?

- (A) Shift the weight to the stern
- (B) Reduce your speed
- (C) Apply enough rudder to counter the effect of the current
- (D) Change your course to a zigzag course

If choice b is selected set score to 1.

20. 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) Stay on outside of channel and make a notation in the logbook
- (C) Go half astern when abeam of the moored vessel
- (D) Check the rudder several times while passing the vessel

If choice a is selected set score to 1.

21. Before starting any diesel or gasoline engine, which of the following must be checked?

- (A) Oil level
- (B) Exhaust discharge
- (C) Flow of cooling water
- (D) All of the above

If choice a is selected set score to 1.

22. Which of the following is one of the most important safety procedures that should be adhered to prior to starting a gasoline engine on a motorboat?

- (A) The gasoline tank is full
- (B) You have fresh water on board
- (C) The bilges, cabins, etc. are thoroughly ventilated
- (D) Each of the above is followed

If choice c is selected set score to 1.

23. What is required in addition to the heat, fuel, and oxygen of the fire triangle to have a fire?

- (A) Chain reaction
- (B) Electricity
- (C) Pressure
- (D) Smoke

If choice a is selected set score to 1.

24. Which condition is necessary for a substance to burn?

- (A) The mixture of vapors with air must be within the "explosive range."
- (B) The air must contain oxygen in sufficient quantity.
- (C) The temperature of the substance must be equal to or above its fire point.
- (D) All of the above

If choice d is selected set score to 1.

25. Spontaneous ignition can result from _____.

- ☐ (A) smoking in bed
- ☒ (B) careless disposal or storage of material
- ☐ (C) worn electrical wires on power tools
- ☐ (D) an unprotected drop-light bulb

If choice b is selected set score to 1.

26. Why do spaces containing batteries require good ventilation?

- ☐ (A) Less electrolyte is required to maintain the batteries' charge
- ☐ (B) Ventilation avoids CO₂ build up
- ☐ (C) Ventilation supplies extra oxygen for charging the battery
- ☒ (D) Ventilation avoids flammable gas accumulation

If choice d is selected set score to 1.

27. Which extinguishing agent is the best for use on electrical fires?

- ☒ (A) CO₂
- ☐ (B) Water fog
- ☐ (C) Dry chemical
- ☐ (D) Foam

If choice a is selected set score to 1.

28. Which of the following classifications does an oil fire belong to?

- ☐ (A) D
- ☐ (B) C
- ☒ (C) B
- ☐ (D) A

If choice c is selected set score to 1.

29. If you have a fire in the engine room, what is the FIRST action you should take?

- ☐ (A) Maneuver your vessel into the wind
- ☐ (B) Discharge the fixed CO₂ system into the engine room
- ☒ (C) Secure the fuel supply and ventilation to the engine room
- ☐ (D) Have all of your crew get into the liferaft

If choice c is selected set score to 1.

30. Which statement is TRUE concerning carbon dioxide?

- ☐ (A) It is non-conductive.
- ☐ (B) It is heavier than air.
- ☐ (C) It is used on class B and C fires.
- ☒ (D) All of the above are true.

If choice d is selected set score to 1.

31. When must a dry chemical fire extinguisher be recharged?

- ☒ (A) After each use
- ☐ (B) When the air temperature exceeds 90°F
- ☐ (C) Every 6 months
- ☐ (D) Every 12 months

If choice a is selected set score to 1.

32. If there are a number of survivors in the water after abandoning ship, which action should they take?

- ☐ (A) Send only the strongest swimmer to shore for assistance
- ☒ (B) Form a small circular group to create a warmer pocket of water in the center of the circle
- ☐ (C) Form a raft by lashing their life preservers together
- ☐ (D) Tie themselves to the unit so they won't drift with the current

If choice b is selected set score to 1.

33. A crew member has just fallen overboard off your port side. Which action should you take?

- ☐ (A) Wait until the stern is well clear of the man and then put the rudder over hard right.
- ☐ (B) Immediately put the engines astern.
- ☐ (C) Immediately put the rudder over hard right.
- ☒ (D) Immediately put the rudder over hard left.

If choice d is selected set score to 1.

34. The vessel shown in illustration D025DG has broken down and you are going to take her in tow. The wind is on her starboard beam. Both vessels are making the same amount of leeway. Where should you position your vessel when you start running lines?

- ☐ (A) A
- ☐ (B) B
- ☒ (C) C
- ☐ (D) D

If choice c is selected set score to 1.

35. What type of knot in illustration D030DG below is indicated by the Letter "W"?

- ☐ (A) Clove hitch
- ☒ (B) Square knot
- ☐ (C) Stopper knot
- ☐ (D) Barrel hitch

If choice b is selected set score to 1.

36. What is a "square knot" used for?

- ☐ (A) Forming temporary eyes in lines
- ☐ (B) Keeping line from unlaying or fraying
- ☒ (C) Joining two lines of equal size
- ☐ (D) Joining two lines of different size

If choice c is selected set score to 1.

37. Which is TRUE concerning the official number of a documented vessel?

- ☐ (A) It is not required to be marked anywhere on the vessel
- ☒ (B) It is required to be permanently marked on the vessel's structure
- ☐ (C) It is required to be painted on the vessel's stern
- ☐ (D) It is required to be painted on the vessel's bow

If choice b is selected set score to 1.

38. In the machinery space of all uninspected motor vessels, there must be one type 20-B hand portable fire extinguisher for which of the following?

- ☐ (A) 500 S.H.P. of the main engines or fraction thereof
- ☐ (B) 1000 S.H.P. of the main engines or fraction thereof
- ☐ (C) 500 B.H.P. of the main engines or fraction thereof
- ☒ (D) 1000 B.H.P. of the main engines or fraction thereof

If choice d is selected set score to 1.

39. According to uninspected vessel regulations, what is the minimum number of portable fire extinguishers required on board a 45-foot motorboat built in 2017 having a fixed fire system on board?

- ☐ (A) 1 5-B
- ☒ (B) 2 5-B
- ☐ (C) 3 5-B
- ☐ (D) 4 5-B

If choice b is selected set score to 1.

40. 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

If choice d is selected set score to 1.

41. The Federal Water Pollution Control Act requires the person in charge of a vessel to immediately notify the Coast Guard as soon as he knows of any oil discharge. Failure to notify the Coast Guard can lead to a monetary fine and imprisonment up to what duration?

- ☒ (A) 5 years
- ☐ (B) 3 years
- ☐ (C) 2 years
- ☐ (D) 1 years

If choice a is selected set score to 1.

42. A mariner whose credential has been revoked shall not be issued another credential without which of the following?

- ☒ (A) Approval of the Commandant
- ☐ (B) Taking a new examination
- ☐ (C) Approval of the Officer-in-Charge, Marine Inspection
- ☐ (D) Approval of an administrative law judge

If choice a is selected set score to 1.

43. Normally, your vessel is on a voyage of three months duration. How many sanitary inspections are required to be conducted during the voyage?

- ☒ (A) one
- ☐ (B) three
- ☐ (C) six
- ☐ (D) twelve

If choice a is selected set score to 1.

44. Which is the VHF radiotelephone calling/safety/distress frequency?

- ☒ (A) 156.8 MHz (channel 16)
- ☐ (B) 156.7 MHz (channel 14)
- ☐ (C) 156.65 MHz (channel 13)
- ☐ (D) 156.6 MHz (channel 12)

If choice a is selected set score to 1.

45. You are using VHF channel 16 (156.8 MHz) or 2182 kHz. You need help but are not in danger, which signal signifies urgency?

- (A) "PAN-PAN"
- (B) "SECURITE"
- (C) "MAYDAY"
- (D) "ASSISTANCE NEEDED"

If choice a is selected set score to 1.

46. Which is the national distress, safety, and calling frequency channel?

- (A) 22
- (B) 16
- (C) 18
- (D) 13

If choice b is selected set score to 1.

47. What is the lifesaving signal for "You are seen - Assistance will be given as soon as possible"?

- (A) Red star rocket
- (B) Green star rocket
- (C) Horizontal motion of a flag
- (D) Orange smoke signal

If choice d is selected set score to 1.

48. Where should the life jackets be stowed?

- (A) Only in the survival crafts
- (B) In each of the messrooms
- (C) In readily accessible locations
- (D) Locked in watertight containers

If choice c is selected set score to 1.

49. Which is TRUE concerning the stowage of life jackets?

- (A) They must be stowed in readily accessible locations
- (B) They are required to be stowed in messrooms
- (C) They are always locked in watertight containers
- (D) They are required to be stowed in a central location

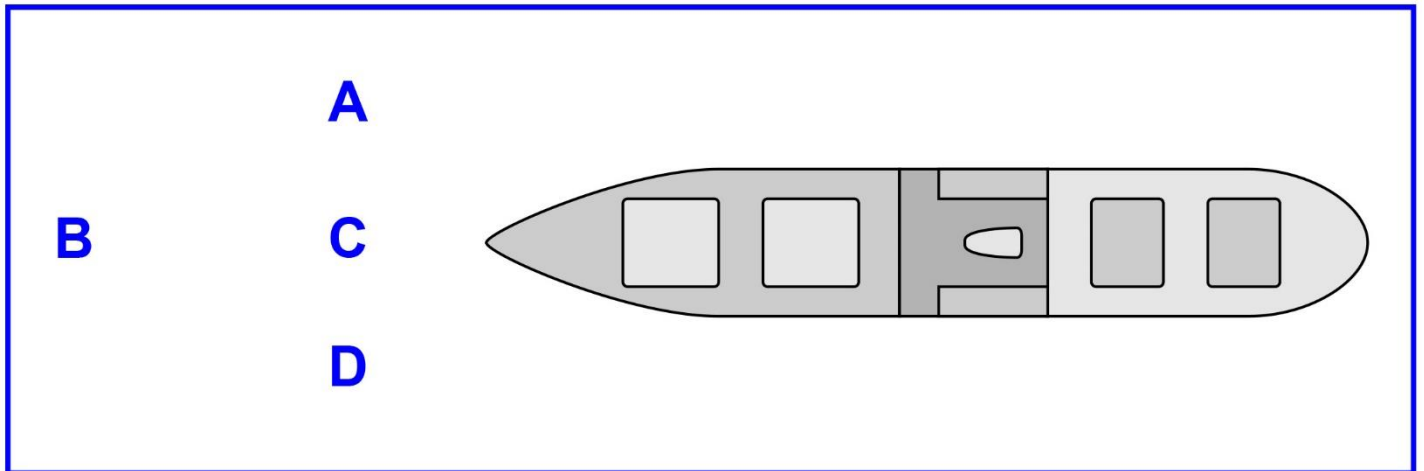
If choice a is selected set score to 1.

50. Life jackets should be marked with which item?

- ☐ (A) The stowage space assigned
- ☒ (B) The vessel's name
- ☐ (C) The maximum weight allowed
- ☐ (D) The vessel's home port

If choice b is selected set score to 1.

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