

U.S.C.G. Merchant Marine Exam

Able Seaman Unlimited, Limited, Special,
Special OSV, Sail, Fishing Industry

Q451 Deck General - Safety

(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

1. While carrying out artificial respiration how should rescuers be changed out?

- (A) at ten-minute intervals
- (B) by not stopping the respiration for more than 5 minutes
- (C) only with the help of two other people
- (D) without losing the rhythm of respiration

If choice D is selected set score to 1.

2. Why is carbon dioxide (CO₂) better than dry chemical for fighting a class "C" fire?

- (A) CO₂ will not dissipate in air.
- (B) The dry chemical is a conductor.
- (C) The dry chemical leaves a residue.
- (D) It takes smaller amounts of CO₂ to cover the same area.

If choice C is selected set score to 1.

3. "Herringbone" is a term associated with _____.

- (A) anchoring
- (B) splicing
- (C) mooring
- (D) sewing

If choice D is selected set score to 1.

4. While taking on fuel oil from an offshore supply vessel, the transfer hose leaks, causing a sheen in the water. You should _____.

- (A) reduce the rate of transfer
- (B) immediately shut down operations
- (C) continue transfer operations
- (D) repair the leak with duct tape

If choice B is selected set score to 1.

5. Most minor spills of oil products are caused by _____.

- (A) human error
- (B) major casualties
- (C) equipment failure
- (D) unforeseeable circumstances

If choice A is selected set score to 1.

6. A common class of wire rope is the 6X37 class. What does the 37 represent?

- (A) Number of wires per strand
- (B) Tensile strength of the wire
- (C) Number of wires in the inner core
- (D) Number of strands per wire rope

If choice A is selected set score to 1.

7. A short splice in a line _____.

- (A) decreases the size of the line
- (B) should only be used in wire rope
- (C) should be used if the line is going through a block
- (D) doubles the size of the line

If choice D is selected set score to 1.

8. The fitting that allows a boom to move freely both vertically and laterally is called the _____.

- (A) gooseneck
- (B) lizard
- (C) spider band
- (D) swivel

If choice A is selected set score to 1.

9. 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.

10. Who has the authority to grant an alternate procedure for oil transfer operations?

- (A) nearest Coast Guard office
- (B) Area Commander
- (C) Captain of the Port
- (D) Officer-in-Charge, Marine Inspection

If choice C is selected set score to 1.

11. 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.

12. Which of the signals listed is required to be displayed at night while bunkering at a dock?

- (A) One red light over a yellow light
- (B) One red light over a white light
- (C) One red light
- (D) Two red lights

If choice C is selected set score to 1.

13. Which would be considered pollution under the U.S. water pollution laws?

- (A) Oil
- (B) Hazardous substances
- (C) Garbage
- (D) All of the above

If choice D is selected set score to 1.

14. A vessel to which Annex V to MARPOL 73/78 applies is located 10 nautical miles from the nearest land. Which type of garbage is prohibited from being discharged?

- (A) Rags ground to less than 1"
- (B) Food waste, not comminuted or ground
- (C) Paper ground to less than 1"
- (D) None of the above

If choice B is selected set score to 1.

15. 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.

16. Which of the following is considered "discharge" as it applies to the pollution regulations?

- (A) leaking
- (B) pumping
- (C) spilling
- (D) All of the above

If choice D is selected set score to 1.

17. A vessel to which Annex V to MARPOL 73/78 applies is 24 nautical miles from the nearest land. Which type of garbage is prohibited from being discharged?

- (A) Glass
- (B) Metal
- (C) Crockery
- (D) Dunnage

If choice D is selected set score to 1.

18. During oil transfer operations, who is responsible for ensuring that the posted transfer procedures are followed?

- (A) The oiler
- (B) The tankerman
- (C) The senior able seaman
- (D) The designated person in charge

If choice D is selected set score to 1.

19. Where are the transfer procedures for oil products are required to be posted?

- (A) in the officer's lounge
- (B) in the upper pumproom flat
- (C) in the pilothouse
- (D) where they can be easily seen or readily available

If choice D is selected set score to 1.

20. Which statement is TRUE concerning small oil spills?

- (A) They usually disappear quickly.
- (B) They usually stay in a small area.
- (C) They may cause serious pollution as the effect tends to be cumulative.
- (D) A small spill is not dangerous to sea life in the area.

If choice C is selected set score to 1.

21. The preferred type of pollution control for oil spills on the water is(are) _____.

- (A) straw
- (B) skimmers
- (C) chemical dispersants
- (D) booms

If choice D is selected set score to 1.

22. In order to correctly open a new coil of manila line, you should _____.

- (A) pull the tagged end through the eye of the coil
- (B) unreel the coil from a spool
- (C) secure the outside end and unroll the coil
- (D) pull the tagged end from the top of the coil

If choice A is selected set score to 1.

23. What is a grapnel?

- (A) device for securing a chain topping lift
- (B) type of clam bucket used for discharging bulk cargo
- (C) hook to prevent the anchor cable from slipping
- (D) device used to drag for a submerged cable or line

If choice D is selected set score to 1.

24. Safety shackles are fitted with _____.

- (A) round pins and locknuts
- (B) a threaded bolt
- (C) a threaded bolt, locknuts, and cotter pins
- (D) a round pin, with a cotter pin

If choice C is selected set score to 1.

25. Uncoiling manila line improperly can result in a(n) _____.

- (A) 50% loss of efficiency of the line
- (B) kink in the line
- (C) number of fishhooks
- (D) increase in deterioration of the line

If choice B is selected set score to 1.

26. The rope which is rove from the truck to be used with a bos'n's chair is called a _____.

- (A) life line
- (B) strop
- (C) whip
- (D) gantline

If choice D is selected set score to 1.

27. Instead of whipping an end of a line, a temporary means of preventing the line from unraveling is to tie a _____.

- (A) becket bend
- (B) square knot
- (C) figure-eight knot
- (D) blackwall hitch

If choice C is selected set score to 1.

28. 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.

29. The rope which is the lightest is _____.

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

If choice C is selected set score to 1.

30. Your vessel is to dock bow first at a pier. Which line will be the most useful when maneuvering the vessel alongside the pier?

- (A) Bow breast line
- (B) Bow spring line
- (C) Stern breast line
- (D) Inshore head line

If choice B is selected set score to 1.

31. A small light tackle with blocks of steel or wood that is used for miscellaneous small jobs is called a _____.

- (A) chockablock
- (B) snatch block
- (C) handy-billy
- (D) threefold purchase

If choice C is selected set score to 1.

32. 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.

33. What does a jib refer to on a crane?

- (A) Control cab
- (B) Topping lift
- (C) Lifline
- (D) Boom

If choice D is selected set score to 1.

34. Which action(s) should the operator of a pedestal crane take if crane control is lost?

- (A) Press the emergency stop.
- (B) Notify the mate on watch.
- (C) Let go of both control levers and return to neutral position.
- (D) All of the above

If choice D is selected set score to 1.

35. 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

If choice C is selected set score to 1.

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

If choice A is selected set score to 1.

37. The wire rope used for cargo handling on board your vessel has a safe working load of eight tons. It shall be able to withstand a breaking test load of _____.

- (A) 32 tons
- (B) 40 tons
- (C) 48 tons
- (D) 64 tons

If choice B is selected set score to 1.

38. The safety stopper that prevents the anchor cable from running free if the cable jumps the wildcat is the _____.

- (A) riding pawl
- (B) buckler plate
- (C) spill pipe
- (D) devil's claw

If choice A is selected set score to 1.

39. 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.

40. Mooring with two bow anchors has which major advantage over anchoring with one bow anchor?

- (A) The radius of the vessel's swing will be shortened.
- (B) A mooring approach may be made from any direction.
- (C) The vessel will not swing with a change in wind.
- (D) The vessel will not reverse direction in a tidal current.

If choice A is selected set score to 1.

41. A vessel is wind rode when it is _____.

- (A) carrying lee rudder
- (B) at anchor and heading into the wind
- (C) necessary to apply a leeway correction to the course
- (D) backing into the wind

If choice B is selected set score to 1.

42. A situation has occurred in which your vessel must be towed. When the towing vessel passes the towing line to you, you should secure the line _____.

- (A) to the forward part of the deckhouse
- (B) to the forward-most bits
- (C) to the base of the foremast
- (D) at the stern

If choice B is selected set score to 1.

43. You are approaching a ship that is broken down and are preparing to take her in tow. BEFORE positioning your vessel to pass the towline, you must _____.

- (A) compare the rate of drift between the ships
- (B) install chafing gear on the towline
- (C) secure the bitter end of the towing hawser to prevent loss if the tow is slipped
- (D) have traveling lizards rigged to guide the towline while it is paid-out

If choice A is selected set score to 1.

44. You are on watch and see a man fall overboard. Which man overboard turn should NOT be used in this situation?

- (A) Racetrack
- (B) Scharnow
- (C) Single turn
- (D) Williamson

If choice B is selected set score to 1.

45. The hoods over galley ranges present what major hazard?

- (A) They inhibit the effective operation of fire fighting systems in combating deep fat fryer or range fires.
- (B) They concentrate the heat of cooking and may raise surrounding flammable material to the ignition point.
- (C) Grease collects in the duct and filter and if it catches fire is difficult to extinguish.
- (D) In order to effectively draw off cooking heat they present a head-injury hazard to a person of average or more height.

If choice C is selected set score to 1.

46. A fire in trash and paper waste is classified as class _____.

- (A) A
- (B) B
- (C) C
- (D) D

If choice A is selected set score to 1.

47. CO₂ extinguishes a fire by _____.

- (A) chemical action
- (B) smothering
- (C) cooling
- (D) All of the above

If choice B is selected set score to 1.

48. As an extinguishing agent, foam _____.

- (A) conducts electricity
- (B) should be directed at the base of the fire
- (C) is most effective on burning gases which are flowing
- (D) extinguishes by cooling oil fires below ignition temperature

If choice A is selected set score to 1.

49. Which statement is TRUE concerning life jackets?

- (A) Lightly stained or faded life jackets will fail in the water and should not be used.
- (B) Buoyant vests may be substituted for life jackets.
- (C) Life jackets must always be worn with the same side facing outwards to float properly.
- (D) Life jackets are designed to turn an unconscious person's face clear of the water.

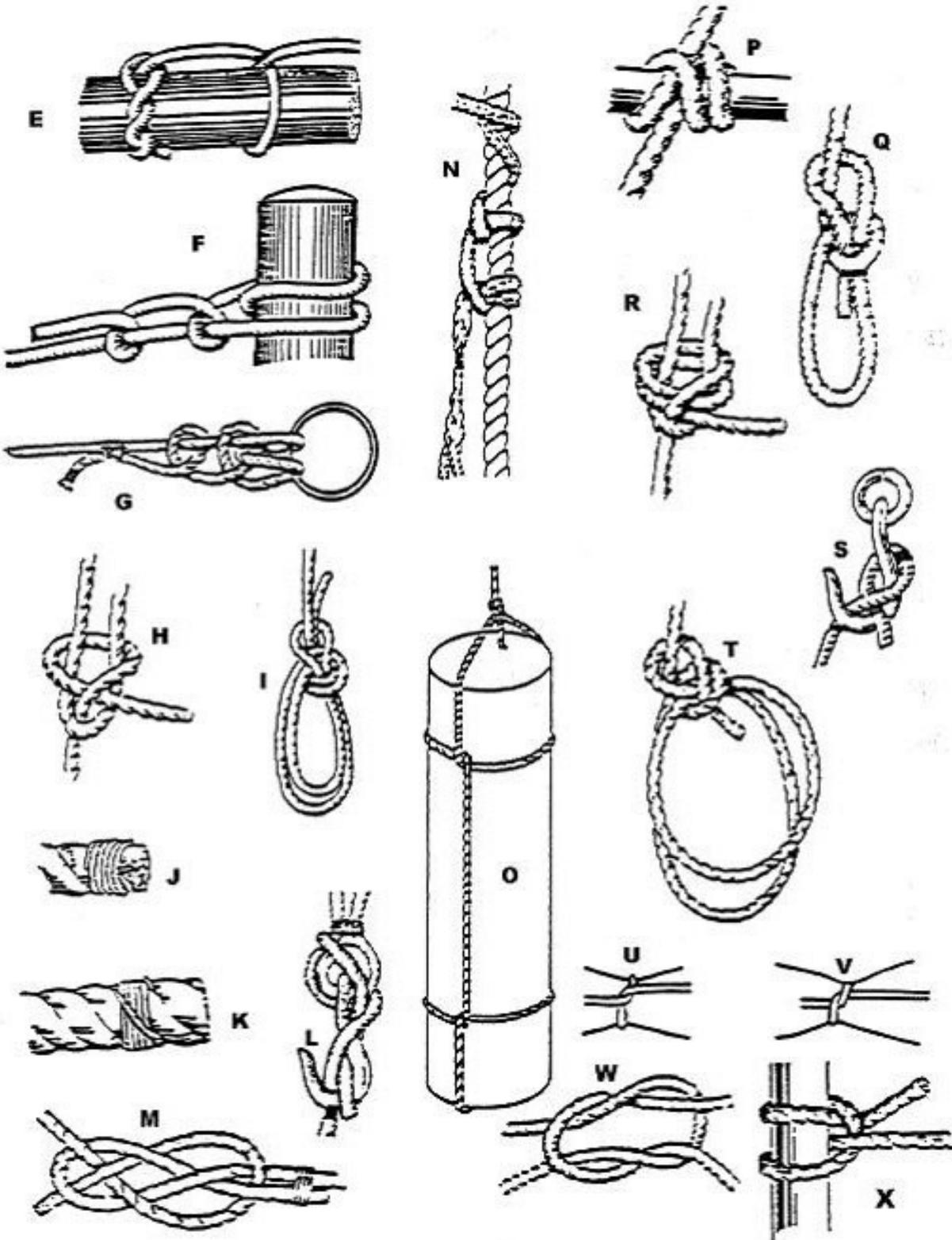
If choice D is selected set score to 1.

50. What is the FIRST thing the rescuer must do if the patient vomits during mouth-to mouth resuscitation?

- (A) turn the patient's body to the side, sweep out the mouth and resume mouth-to-mouth ventilation
- (B) pause for a moment until the patient appears quiet again, then resume ventilation mouth-to-mouth
- (C) switch to mouth-to-nose ventilation
- (D) ignore it and continue mouth-to-mouth ventilation

If choice A is selected set score to 1.

D030DG



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