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. What is MOST important when administering artificial respiration?
   - (A) Know all approved methods
   - (B) Monitor blood pressure
   - (C) Clear airways
   - (D) Use the rhythmic pressure method

   If choice C is selected set score to 1.

2. Who has the authority to grant an alternate procedure for oil transfer operations?
   - (A) The Captain of the Port
   - (B) The Area Commander
   - (C) The Officer-in-Charge, Marine Inspection
   - (D) The nearest Coast Guard office

   If choice A is selected set score to 1.

3. What is the proper name for the fitting that allows a boom to move freely both vertically and laterally?
   - (A) Spider band
   - (B) Swivel
   - (C) Gooseneck
   - (D) Lizard

   If choice C is selected set score to 1.

4. Which item(s) prevent the anchors from running out?
   - (A) The devil's claw
   - (B) The riding pawls
   - (C) The friction brake
   - (D) All of the above

   If choice D is selected set score to 1.

5. What is the purpose of a devil's claw?
   - (A) It will prevent the chain from fouling on deck
   - (B) It prevent the windlass from engaging
   - (C) It controls the wildcat
   - (D) It acts as a chain stopper

   If choice D is selected set score to 1.
6. Which statement is TRUE concerning life jackets?

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

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

7. Pollution of the waterways may result from the discharge of which item(s)?

   - (A) Sewage
   - (B) The galley trash can
   - (C) An oily mixture of one part per million
   - (D) All of the above

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

8. Which knot in illustration D030DG represents a blackwall hitch?

   - (A) S
   - (B) P
   - (C) H
   - (D) F

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

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

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

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

10. Which action(s) is/are included in crane operations?

    - (A) Emergency shutdown operation
    - (B) Normal boom stowage and shutdown operations
    - (C) Removing booms from stowage
    - (D) All of the above

   *If choice D is selected set score to 1.*
11. Foam extinguishes a fire mainly by __________.
   - (A) smothering
   - (B) inerting the air
   - (C) cooling
   - (D) chemical action

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

12. The most likely time for oil pollution while bunkering is when __________.
   - (A) hoses are being blown down
   - (B) hoses are disconnected and being capped
   - (C) final topping off is occurring
   - (D) first starting to receive fuel

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

13. Which term is given to the usual method of arranging a line on deck so that it will run out easily without kinking or fouling?
   - (A) Faking down the line
   - (B) Flemishing the line
   - (C) Coiling the line
   - (D) Racking the line

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

14. What can be done to prevent small oil spills on deck from going overboard?
   - (A) Closing the lids on the vents
   - (B) Plugging the drains and scuppers
   - (C) Driving wooden plugs into the vents
   - (D) Plugging the sounding pipes

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

15. Which rope is the lightest in weight?
   - (A) Dacron
   - (B) Nylon
   - (C) Manila
   - (D) Polypropylene

   *If choice D is selected set score to 1.*
16. What happens when the handle of an all-purpose nozzle is pushed into the forward position?

- (A) The nozzle will produce a straight stream
- (B) The nozzle will shut off the water
- (C) The nozzle will produce low-velocity fog
- (D) The nozzle will produce high-velocity fog

If choice B is selected set score to 1.

17. When you "end for end" a wire rope, you __________.

- (A) splice two wire ropes together
- (B) remove the wire rope from the drum and turn it over, so the wire bends in the opposite direction
- (C) cut off the free end and bitter end of the rope
- (D) remove the wire rope from the drum and reverse it so that the free end becomes the bitter end

If choice D is selected set score to 1.

18. Safety goggles or glasses are NOT normally worn during which task?

- (A) Letting go the anchor
- (B) Handling wire rope or natural fiber line
- (C) Painting with a spray gun
- (D) Using a rotary grinder with an installed shield

If choice B is selected set score to 1.

19. 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, which action should you take?

- (A) Install chafing gear on the towline
- (B) Compare the rate of drift between the ships
- (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 B is selected set score to 1.

20. Which is a precaution you should take before bunkering?

- (A) Plug the vents
- (B) Plug the scuppers
- (C) Close the lids on the vents
- (D) Plug the sounding pipes

If choice B is selected set score to 1.
21. If you are operating on the Inland Waters of the United States, which of the following may you discharge overboard?

- (A) Bottles
- (B) Metal
- (C) Dunnage
- (D) None of the above

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

22. The vessel shown in illustration D025DG has broken down and you are going to take her in tow. The wind is coming from her starboard beam. You are making more leeway than she. Where should you position your vessel when you start running lines?

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

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

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

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

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

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

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

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

25. Which knot/bend is used to form the bridle at the standing part of a gantline rigged to a stage?

- (A) A bowline
- (B) A sheet bend
- (C) A fisherman's bend
- (D) A carrick bend

*If choice A is selected set score to 1.*
26. On your vessel, a wire rope for the cargo gear shows signs of excessive wear and must be replaced. In ordering a new wire for this 10-ton boom, what safety factor should you use?

- (A) Three
- (B) Five
- (C) Six
- (D) Seven

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

27. What is a bench hook is used for?

- (A) Hanging oilskins
- (B) Splicing small stuff
- (C) Handling of cargo cases
- (D) Sewing canvas

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

28. What should be given, as a minimum, to personnel who are involved in crane cargo handling?

- (A) Protective head gear, gloves, and steel-toed safety shoes
- (B) A life preserver for going aloft to work on the crane
- (C) A survival suit for work on the stern or side port
- (D) All of the above

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

29. Which device is designed to automatically hold the load if power should fail to an electric winch?

- (A) Electromagnetic brake
- (B) Motor controller
- (C) Hand brake
- (D) Pneumatic brake

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

30. Where are the transfer procedures for oil products required to be posted or available during transfer operations?

- (A) Where they can be easily seen and accessible
- (B) In the upper pumproom flat
- (C) In the officer's and crew's lounges
- (D) In the pilothouse of the vessel

*If choice A is selected set score to 1.*
31. Which is the correct procedure for anchoring a small to medium size vessel in deep water?
   - (A) Let the anchor fall free from the hawsepipe, but apply the brake at intervals to check the rate of fall.
   - (B) Let the anchor fall off the brake right from the hawsepipe, but keep a slight strain on the brake.
   - (C) Under power, back the anchor out until it is near, but clear, of the bottom before letting it fall.
   - (D) Back the anchor slowly out of the hawsepipe a few feet, and then let it fall in the normal fashion.

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

32. Which term defines the strainer at the bottom of a bilge suction pipe to prevent clogging?
   - (A) Pipe cap
   - (B) Rose box
   - (C) Bellmouth
   - (D) Flange

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

33. If a hydraulic pump on a winch accidentally stops while hoisting, the load will stay suspended because __________.
   - (A) the electric pump motor will cut out
   - (B) the control lever will move to the stop position
   - (C) a check valve will close and prevent reverse circulation
   - (D) a centrifugal counterweight counteracts the force of gravity.

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

34. 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) Paper ground to less than 1"
   - (B) Rags ground to less than 1"
   - (C) Food waste, not comminuted or ground
   - (D) All of the above

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

35. Which part of an anchor is designed to dig into the bottom to increase holding power?
   - (A) The flukes
   - (B) The base
   - (C) The arm
   - (D) The stock

   *If choice A is selected set score to 1.*
36. While underway in thick fog you are on watch and hear the cry "man overboard”. Which type of maneuver should you make?

- (A) Racetrack turn
- (B) Round turn
- (C) figure eight turn
- (D) Williamson turn

*If choice D is selected set score to 1.

37. Which class of fire is an oil fire classified?

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

*If choice B is selected set score to 1.

38. Which term is given to the process of separating both blocks of a tackle to prepare it for reuse?

- (A) Out-hauling
- (B) Over-hauling
- (C) Two-blocking
- (D) Chockablocking

*If choice B is selected set score to 1.

39. How are the larger sizes of manila line measured?

- (A) Weight per foot
- (B) Circumference
- (C) Diameter
- (D) Radius

*If choice B is selected set score to 1.

40. Which knot in illustration D030DG represents a carrick bend?

- (A) M
- (B) L
- (C) H
- (D) J

*If choice A is selected set score to 1.
41. In order to correctly open a new coil of manila line, which procedure should you follow?
   - (A) Unreel the coil from a spool
   - (B) Secure the outside end and unroll the coil on the deck
   - (C) Pull the tagged end from the top of the coil
   - (D) Pull the tagged end at the bottom, up through the eye of the coil

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

42. What is the name of tackle number 2 as shown in illustration D029DG below?
   - (A) Gun tackle
   - (B) Whip
   - (C) Onefold purchase
   - (D) Single purchase

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

43. Which danger exists to people when CO₂ is discharged into a small enclosed space?
   - (A) Electric shock
   - (B) Respiratory arrest
   - (C) Frostbite
   - (D) Damaged eardrums

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

44. Which of the signals listed is required to be displayed during the day while bunkering?
   - (A) A red light
   - (B) A red flag
   - (C) A yellow flag
   - (D) A red and yellow flag

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

45. While taking on fuel oil, the transfer hose leaks causing a sheen on the water. What action should you take?
   - (A) Apply dispersants to the sheen
   - (B) Shut down operations
   - (C) Repair the leak with duct tape
   - (D) Reduce the rate of transfer

   *If choice B is selected set score to 1.*
46. What is the normal percentage of oxygen in air?
   - (A) 16%
   - (B) 18%
   - (C) 21%
   - (D) 25%

   If choice C is selected set score to 1.

47. What is the major cause of shock in burn victims?
   - (A) Emotional stress
   - (B) High level of pain
   - (C) Increase in body temperature and pulse rate
   - (D) Massive loss of fluid through the burned area

   If choice D is selected set score to 1.

48. What is the cause of most minor spills of oil products?
   - (A) Major casualties
   - (B) Human error
   - (C) Unforeseeable circumstances
   - (D) Equipment failure

   If choice B is selected set score to 1.

49. Which knot in illustration D030DG below is secure only when there is a strain on the line?
   - (A) H
   - (B) I
   - (C) L
   - (D) P

   If choice C is selected set score to 1.

50. Which statement concerning an accidental oil spill in the navigable waters of the U.S. is TRUE?
   - (A) The Corps of Engineers is responsible for the cleanup of the spill.
   - (B) The person in charge must report the spill to the Coast Guard.
   - (C) The Department of Interior is responsible for the cleanup of the spill.
   - (D) A warning broadcast must be made by radiotelephone.

   If choice B is selected set score to 1.
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