

U.S.C.G. Merchant Marine Exam

Lifeboatman

Q445 Lifeboatman

(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

1. Lines passed around the falls to hold the boat while passengers are boarding are _____.

- (A) tricing lines
- (B) frapping lines
- (C) life lines
- (D) tripping lines

If choice B is selected set score to 1.

2. The external flotation bladder of an immersion suit should be inflated _____.

- (A) upon entry into the water
- (B) only after two hours in the water
- (C) only after four hours in the water
- (D) before entry into the water

If choice A is selected set score to 1.

3. The purpose of the tricing pendants is to _____.

- (A) control the fore and aft motion of a lifeboat during lowering
- (B) provide suspensions for the manropes
- (C) control the outboard swing of a lifeboat during lowering
- (D) hold a lifeboat next to the embarkation deck while loading

If choice D is selected set score to 1.

4. The sea painter is secured in the lifeboat by _____.

- (A) a turn around a forward thwart with a toggle pin thru the eye
- (B) an eye splice placed over one of the hooks of the releasing gear
- (C) a knot around a thwart
- (D) All of the above

If choice A is selected set score to 1.

5. If you must jump from a vessel, the correct posture includes _____.

- (A) holding down the life preserver against the chest with one arm crossing the other, covering the mouth and nose with a hand, and feet together
- (B) body straight and arms held tightly at the sides for feet first entry into the water
- (C) knees bent and held close to the body with both arms around legs
- (D) both hands holding the life preserver below the chin with knees bent and legs crossed

If choice A is selected set score to 1.

6. The external flotation bladder on an immersion suit should be inflated _____.

- (A) before entry into the water
- (B) upon entry into the water
- (C) only after four hours in the water
- (D) only after two hours in the water

If choice B is selected set score to 1.

7. An emergency sea anchor may be constructed by using _____.

- (A) an air tank filled with water
- (B) a boat bucket
- (C) an oar and canvas weighted down
- (D) All of the above

If choice D is selected set score to 1.

8. If there are a number of survivors in the water after abandoning ship, they should _____.

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

If choice D is selected set score to 1.

9. Puncture leaks in the lower tubes or bottom of an inflatable liferaft should FIRST be stopped by using _____.

- (A) sealing clamps
- (B) a tube patch
- (C) sail twine and vulcanizing kit
- (D) repair tape

If choice A is selected set score to 1.

10. Immediately after abandoning a vessel, lookouts should be posted aboard liferafts to look for _____.

- (A) food and water
- (B) land
- (C) bad weather
- (D) survivors in the water

If choice D is selected set score to 1.

11. Your vessel has 3 lifeboats on each side. The aftermost boat on the starboard side is designated as boat number _____.

- (A) 6
- (B) 5
- (C) 3 STARBOARD
- (D) 3

If choice B is selected set score to 1.

12. What factor is essential to the proper operation of a radiator cooled engine?

- (A) Low heat of combustion
- (B) Jacket water treatment
- (C) Air flow through the radiator
- (D) Cooling water pressure

If choice C is selected set score to 1.

13. When fueling has been completed _____.

- (A) the fuel tank fill pipe should be left open to allow vapors to vent from the tank
- (B) the engine should be started immediately to prevent vapor lock in the fuel line
- (C) open the fuel line and drain a small amount of gasoline into the bilge to clear the line of sediment
- (D) all hatches should be opened and all compartments should be ventilated

If choice D is selected set score to 1.

14. When using a handheld smoke signal in a liferaft, you should activate the signal _____.

- (A) on the downwind side
- (B) at the stern
- (C) on the upwind side
- (D) inside the boat

If choice A is selected set score to 1.

15. Prior to lowering the lifeboat, the most important item to check is the _____.

- (A) life preservers
- (B) boat plug
- (C) sail
- (D) oars

If choice B is selected set score to 1.

16. In illustration D014SA below, what number is the sea painter?

- (A) 1
- (B) 12
- (C) 16
- (D) 18

If choice C is selected set score to 1.

17. Which sequence is correct when launching a lifeboat stowed in gravity davits?

- (A) Operate limit switches, release gripes, lift brake
- (B) Release tricing pennants, turn on emergency disconnect switch, release frapping lines
- (C) Release gripes, lift brake, release tricing pennants
- (D) Release gripes, turn on emergency disconnect switch, release frapping lines

If choice C is selected set score to 1.

18. All inflatable liferafts have _____.

- (A) releasing hooks at each end
- (B) water stabilizing pockets
- (C) built in seats
- (D) safety straps from the overhead

If choice B is selected set score to 1.

19. Using a sea anchor will _____.

- (A) aid in recovering the liferaft
- (B) keep the liferaft from turning over
- (C) reduce your drift rate
- (D) increase your visibility

If choice C is selected set score to 1.

20. When you are firing a pyrotechnic distress signal, it should be aimed at _____.

- (A) about 60 degrees above the horizon
- (B) at the vessel whose attention you are trying to get
- (C) straight overhead
- (D) into the wind

If choice A is selected set score to 1.

21. Limit switches are used on which davits?

- (A) Radial davits
- (B) Quadrantal davits
- (C) Gravity davits
- (D) Sheath-screw davits

If choice C is selected set score to 1.

22. The lights on the outside of the canopy on an inflatable liferaft operate _____.

- (A) automatically when the raft is inflated
- (B) by turning the globe clockwise
- (C) by a switch at each light
- (D) by a light sensor

If choice A is selected set score to 1.

23. The inside light in an inflatable liferaft is turned on _____.

- (A) by screwing the bulb in after the raft is inflated
- (B) at night because the light has a photosensitive switch
- (C) automatically as the liferaft inflates
- (D) with a switch near the boarding handle

If choice C is selected set score to 1.

24. An inflatable liferaft should be manually released from its cradle by _____.

- (A) pushing the button on the hydrostatic release
- (B) cutting the straps that enclose the container
- (C) loosening the turnbuckle on the securing strap
- (D) removing the rubber sealing strip from the container

If choice A is selected set score to 1.

25. Under normal conditions a liferaft is released from its cradle by _____.

- (A) cutting the restraining strap
- (B) unscrewing the turnbuckle on the back of the cradle
- (C) pushing the plunger on the center of the hydrostatic release
- (D) lifting one end of the raft

If choice C is selected set score to 1.

26. If the hydrostatic release mechanism for an inflatable liferaft is not periodically serviced and becomes inoperable, it will fail to _____.

- (A) set the water lights on immersion
- (B) break the seal on the carbon dioxide cylinder
- (C) free the liferaft from the vessel
- (D) release the dye marker from the liferaft

If choice C is selected set score to 1.

27. What is the purpose of the hydrostatic release on an inflatable liferaft?

- (A) To release the raft from the cradle automatically as the ship sinks
- (B) To test the rafts hydrostatically
- (C) To inflate the raft automatically
- (D) None of the above

If choice A is selected set score to 1.

28. Limit switches _____.

- (A) cut off power to the winch when the lifeboat reaches the davit bumpers
- (B) control the ascent rate of a lifeboat
- (C) cut off power to the winch when the lifeboat nears the final stowed position
- (D) control the descent rate of a lifeboat

If choice C is selected set score to 1.

29. As a vessel sinks to a depth of 15 feet, the hydrostatic trip releases the liferaft container from its cradle by _____.

- (A) releasing the tie-down strap
- (B) releasing the CO2 canister
- (C) breaking the weak link
- (D) pulling the operating cord

If choice A is selected set score to 1.

30. Your vessel has 3 lifeboats on each side. The middle lifeboat on the port side is designated as boat number _____.

- (A) 4
- (B) 2
- (C) 2 PORT
- (D) 3

If choice A is selected set score to 1.

31. Using a sea anchor with the survival craft will _____.

- (A) aid in recovering the survival craft
- (B) increase your visibility
- (C) keep the survival craft from turning over
- (D) reduce your drift rate

If choice D is selected set score to 1.

32. Which davit type may be operated by one person?

- (A) Quadrantal
- (B) Sheath-screw
- (C) Radial
- (D) Gravity

If choice D is selected set score to 1.

33. The most common type of davit found on merchant vessels today is the _____.

- (A) quadrantal
- (B) radial
- (C) gravity
- (D) sheath-screw

If choice C is selected set score to 1.

34. The lever shown in illustration D013SA below is operated when a lifeboat is which of the following positions?

- (A) waterborne
- (B) at the embarkation deck
- (C) in the secured position
- (D) being lowered to sea level

If choice A is selected set score to 1.

35. The sea painter of a lifeboat should be led _____.

- (A) forward and inside of all obstructions
- (B) forward and outside of all obstructions
- (C) to the foremost point on the ship
- (D) up and down from the main deck

If choice B is selected set score to 1.

36. When using the lifeboat compass, you must be careful to _____.

- (A) apply the correction for compass error
- (B) keep metal objects away from it
- (C) set it on the centerline of the boat
- (D) All of the above

If choice D is selected set score to 1.

37. Number 3 lifeboat would be _____.

- (A) behind boat number 2 on the port side
- (B) the forward boat on the starboard side
- (C) behind boat number 1 on the port side
- (D) behind boat number 1 on the starboard side

If choice D is selected set score to 1.

38. In heavy seas the helmsman should steer the motor lifeboat _____.

- (A) in the same direction as the seas
- (B) into the seas
- (C) broadside to the seas
- (D) in a series of figure-eights

If choice B is selected set score to 1.

39. Which conditions will normally cause a SART to operate in the active mode?

- (A) A SART will normally respond to interrogation from a searching aircraft's radar if the radar's output power is at least 10,000 watts and the aircraft is at a height of 3000 feet and within 30 nautical miles.
- (B) It will respond only to interrogation by 9-Ghz radar signals.
- (C) A SART will normally respond to interrogation from a searching vessel's radar if the radar antenna is at least 15 meters high.
- (D) All of the above

If choice D is selected set score to 1.

40. Which task is NOT the responsibility of the GMDSS Radio Operator?

- (A) Inspecting and cleaning the SART's container, and clearing the immediate storage area of any debris or obstacles.
- (B) Placing the SART in the test mode and verifying that the nearby PPI shows concentric circles.
- (C) Measuring the SART's transmitted frequency.
- (D) Ensuring the SART's batteries are replaced before their expiration date.

If choice C is selected set score to 1.

41. You are picking up an unconscious person that has fallen overboard in a fresh breeze. For safety reasons a small craft should approach with the _____.

- (A) wind on your starboard side
- (B) victim to windward
- (C) victim to leeward
- (D) wind on your port side

If choice B is selected set score to 1.

42. You are trying to rescue survivors from a wrecked vessel on fire. You should approach _____.

- (A) to windward of the wrecked vessel
- (B) at a speed of at least that of the wrecked vessel
- (C) at a speed of at most one-half that of the wrecked vessel
- (D) to leeward of the wrecked vessel

If choice A is selected set score to 1.

43. You are proceeding to a distress site and expect large numbers of people in the water. Which statement is TRUE?

- (A) An inflatable liferaft secured alongside can be an effective boarding station for transfer of survivors from the boats.
- (B) You should stop to windward of the survivors in the water and only use the ship's boats to recover the survivors.
- (C) Survivors in the water should never be permitted alongside due to the possibility of injury from the vessel.
- (D) If the survivors are in inflatable rafts you should approach from windward to create a lee for the survivors.

If choice A is selected set score to 1.

44. The lights on the outside of the canopy on an inflatable liferaft operate _____.

- (A) by turning the globe clockwise
- (B) automatically when the raft is inflated
- (C) by a switch at each light
- (D) by a light sensor

If choice B is selected set score to 1.

45. The required amount of water for each person in a lifeboat on an oceangoing vessel, on an international voyage, is _____.

- (A) 1 liter
- (B) 2 liters
- (C) 3 liters
- (D) 4 liters

If choice C is selected set score to 1.

46. Life preservers must be marked with the _____.

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

If choice B is selected set score to 1.

47. A crew member has suffered frostbite to the toes of the right foot. Which is NOT an acceptable first aid measure?

- (A) Rewarm rapidly.
- (B) Rub the toes briskly.
- (C) Elevate the foot slightly.
- (D) Give aspirin or other medication for pain if necessary.

If choice B is selected set score to 1.

48. BOTH INTERNATIONAL & INLAND Which signal, other than a distress signal, can be used by a vessel to attract attention?

- (A) Orange smoke signal
- (B) Continuous sounding of a fog signal apparatus
- (C) Burning barrel
- (D) Searchlight beam

If choice D is selected set score to 1.

49. BOTH INTERNATIONAL & INLAND If you hear the firing of a gun at one minute intervals from another vessel, this indicates that _____.

- (A) all is clear and it is safe to pass
- (B) the gun is being used to sound passing signals
- (C) all vessels are to clear the area
- (D) the vessel is in distress

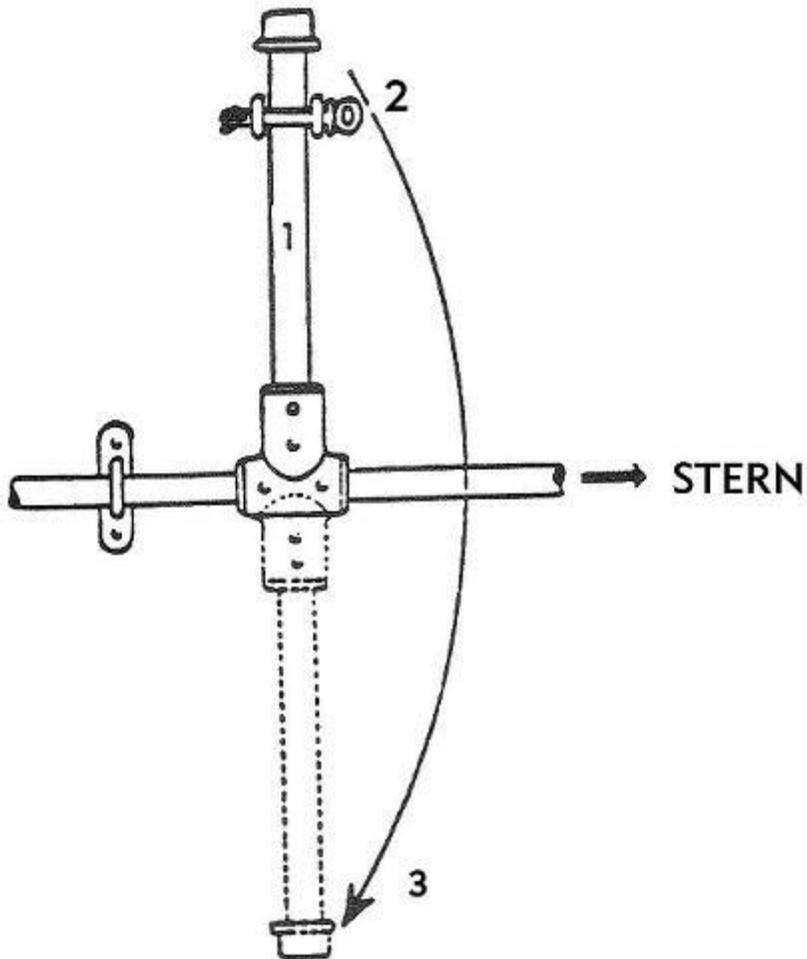
If choice D is selected set score to 1.

50. BOTH INTERNATIONAL & INLAND Which signal is recognized as a distress signal?

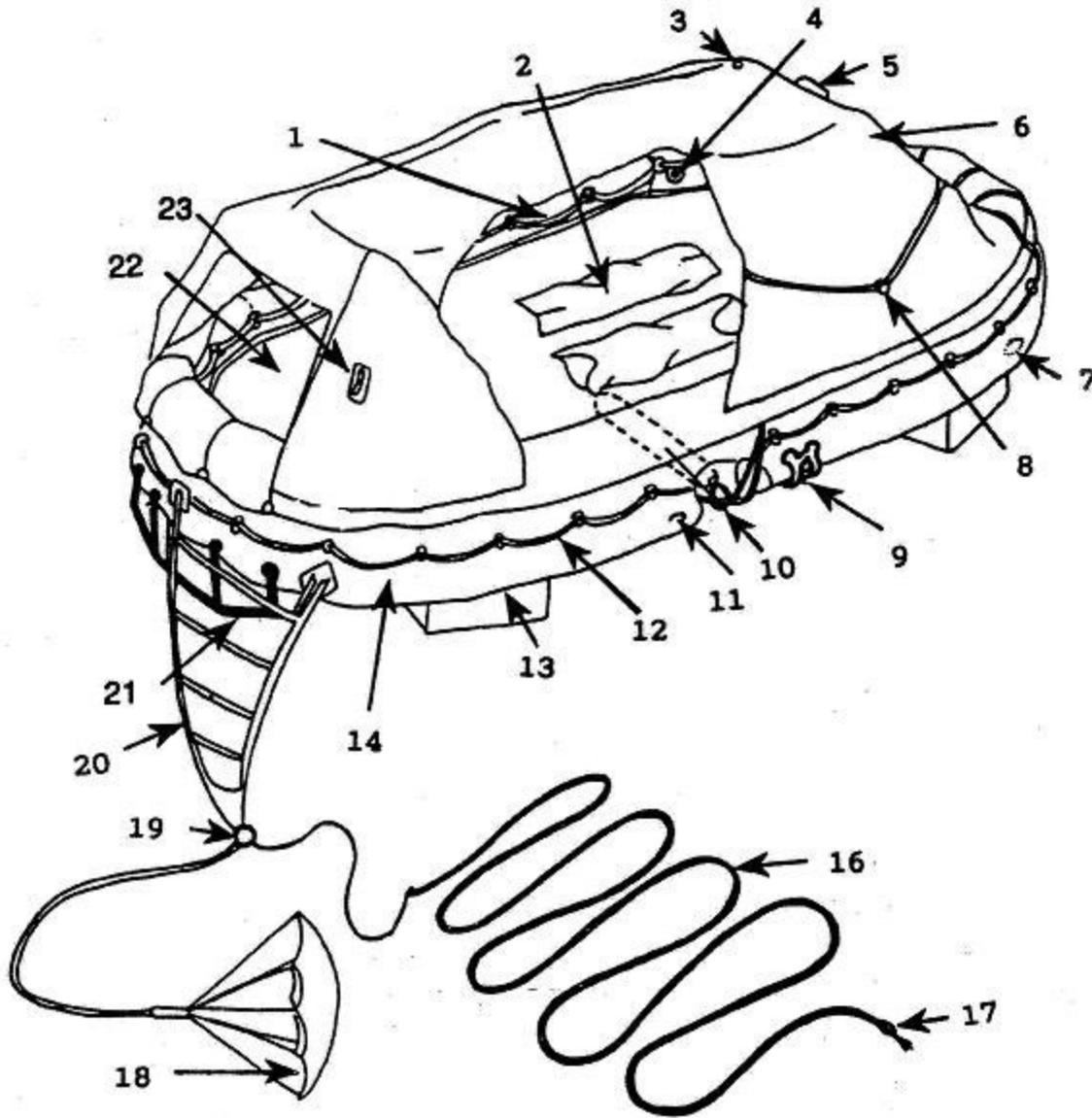
- (A) International Code Signal "PAN" spoken over the radiotelephone
- (B) A whistle signal of one prolonged and three short blasts
- (C) Directing the beam of a searchlight at another vessel
- (D) A smoke signal giving off orange colored smoke

If choice D is selected set score to 1.

D013SA



D014SA



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