U.S.C.G. Merchant Marine Exam

Lifeboatman

Q445 Lifeboatman

(Sample Examination)
Choose the best answer to the following Multiple Choice Questions.

1. Inflatable liferafts are provided with a __________.
   - (A) towing connection
   - (B) lifeline
   - (C) knife
   - (D) All of the above

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

2. The carburetor is placed on the engine to __________.
   - (A) properly lubricate the engine
   - (B) mix the fuel and air
   - (C) distribute the gasoline
   - (D) assist in priming the cylinders

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

3. What is the function of the lifeboat davit limit switches?
   - (A) To cut off power to the winch when the lifeboat nears the final stowed position
   - (B) To cut off power to the winch when the lifeboat reaches the davit bumpers
   - (C) To control the descent rate of a lifeboat
   - (D) To control the ascent rate of a lifeboat

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

4. Which represents the appropriate time for setting off distress flares and rockets?
   - (A) At one hour intervals
   - (B) Immediately upon abandoning the vessel
   - (C) At half hour intervals
   - (D) Only when there is a chance of their being seen by rescue vessels

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

5. In launching a lifeboat, when should the tricing pendants be released?
   - (A) After the limit switch is activated
   - (B) After all people have been embarked
   - (C) As soon as the boat-fall blocks clear the davit head
   - (D) Before the boat is lowered from the stowage position

   *If choice B is selected set score to 1.*
6. In which location are lifejackets required to be stowed?
   - (A) Locked watertight containers
   - (B) Readily accessible spaces
   - (C) In the pumproom
   - (D) In the forepeaks

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

7. Under normal conditions, how is a liferaft released from its cradle?
   - (A) By cutting the restraining strap
   - (B) Lifting one end of the raft
   - (C) Pushing the plunger on the center of the hydrostatic release
   - (D) Unscrewing the turnbuckle on the back of the cradle

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

8. 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 inflate the raft automatically
   - (C) To test the rafts hydrostatically
   - (D) None of the above

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

9. 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) pulling the operating cord
   - (C) releasing the CO2 canister
   - (D) breaking the weak link

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

10. What is the maximum length of time that distress flares are approved for?
    - (A) 1 and 1/2 years
    - (B) 2 years
    - (C) 3 and 1/2 years
    - (D) 5 years

    *If choice C is selected set score to 1.*
11. In heavy seas how should the helmsman steer the motor lifeboat?

- (A) Broadside to the seas
- (B) In a series of figure-eights
- (C) Into the seas slightly off the bow
- (D) In the same direction as the seas

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

12. 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 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.*

13. What is the primary advantage of Using a sea anchor with the survival craft?

- (A) It increases your visibility
- (B) It reduces your drift rate
- (C) It keeps the survival craft from turning over
- (D) Aids in recovering the survival craft

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

14. You will find a limit switch on which type of davit?

- (A) Radial davit
- (B) Liferaft cradle
- (C) Gravity davit
- (D) Sheath-screw davit

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

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

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

*If choice A is selected set score to 1.*
16. Limit switches are used on which davits?
   - (A) Quadrantal davits
   - (B) Gravity davits
   - (C) Radial davits
   - (D) Sheath-screw davits

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

17. In good weather, why should you deploy the sea anchor from the liferaft?
   - (A) To navigate against the current
   - (B) It will keep personnel from getting seasick
   - (C) To stay in the general location to aid in rescue
   - (D) To keep the liferaft from capsizing

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

18. Your vessel is conducting helicopter evacuation operations for an injured crew member. Which of the following statements is true concerning the hoisting line?
   - (A) As a safety measure wrap the line around the patient before attaching it to the basket
   - (B) A tag line is required to be attached to the hoist cable for securing
   - (C) Secure the graining line to the deck railings
   - (D) Allow the line to touch the deck to discharge the static electricity

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

19. Water pockets on the underside of an inflatable liferaft are for __________.
   - (A) easy drainage
   - (B) catching rain water
   - (C) stability
   - (D) maneuverability

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

20. What is the name given to the bottom row of plating next to the keel of a lifeboat?
   - (A) Garboard strake
   - (B) Sheer strake
   - (C) Keel rib
   - (D) Bilge strake

   *If choice A is selected set score to 1.*
21. All inflatable liferafts have which item?
   - (A) Safety straps from the overhead
   - (B) Releasing hooks at each end
   - (C) Water stabilizing pockets
   - (D) Built in seats

   If choice C is selected set score to 1.

22. If you are required to jump from any height from your vessel when should the external flotation bladder of an immersion suit be inflated?
   - (A) Before entry into the water
   - (B) After entry into the water
   - (C) Only after two hours in the water
   - (D) Only after four hours in the water

   If choice B is selected set score to 1.

23. BOTH INTERNATIONAL & INLAND Which of the signals, other than a distress signal, can be used by a vessel to attract attention?
   - (A) A red star shell
   - (B) A burning barrel
   - (C) An orange smoke signal
   - (D) The vessel's searchlight

   If choice D is selected set score to 1.

24. Which of the following describes the condition of Hypothermia?
   - (A) When the rate of heat loss of the body exceeds the rate of heat production
   - (B) When the rate of heat production in the body exceeds the rate of heat loss
   - (C) Any instance when a person is emerged in water
   - (D) When the core body temperature drops to 38 degrees Celsius

   If choice A is selected set score to 1.

25. Which of the following describes the inspection and testing requirements of a SART?
   - (A) Bi-annual inspections and semi-annual testing
   - (B) Monthly inspections and bi-annual testing
   - (C) Monthly inspections and monthly testing
   - (D) Bi-annual inspections and monthly testing

   If choice C is selected set score to 1.
26. When using a handheld smoke signal in a liferaft, at which location should you activate the signal?

- (A) On the downwind side of the liferaft
- (B) On the upwind side of the liferaft
- (C) Inside the liferaft
- (D) At the stern of the liferaft

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

27. When launching a lifeboat, when should frapping lines be rigged?

- (A) Only after the boat is in the water
- (B) When the boat is at the embarkation deck
- (C) Before the boat is moved from the davits
- (D) Before the gripes are released

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

28. Puncture leaks in the lower tubes or bottom of an inflatable liferaft should FIRST be stopped by using which item(s)?

- (A) Repair tape
- (B) Sealing clamps
- (C) Sail twine and vulcanizing kit
- (D) A tube patch

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

29. What is the name given to the lines that are passed around the falls to hold the boat and prevent it from swinging violently?

- (A) Life lines
- (B) Frapping lines
- (C) Tricing lines
- (D) Tripping lines

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

30. On a lifeboat equipped with Rottmer-type releasing gear, what does turning the releasing lever release?

- (A) the after boat fall only if the boat is waterborne
- (B) both falls at the same time only if the boat is waterborne
- (C) the painter
- (D) both falls at the same time even if the boat has not reached the water

*If choice D is selected set score to 1.*
31. BOTH INTERNATIONAL & INLAND Which are Distress signals?

- (A) Sound signals
- (B) Red flares
- (C) Smoke signals
- (D) Any of the above

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

32. Where would the number 2 lifeboat on a tanker be located?

- (A) Abaft no.1 lifeboat starboard side
- (B) The forwardmost boat on the starboard side
- (C) The forwardmost boat on the port side
- (D) Abaft no.1 lifeboat port side

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

33. You have abandoned ship in tropical waters. Which procedure(s) should be used during a prolonged period in a raft?

- (A) Keep the entrance curtains open.
- (B) Wet clothes during the day to decrease perspiration.
- (C) Get plenty of rest.
- (D) All of the above

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

34. Inflatable liferafts are provided with which item?

- (A) A towing connection
- (B) A sail
- (C) A Very pistol
- (D) Canned milk

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

35. You abandoned ship in the North Atlantic and one of the crew members is hypothermic. During a SAR helicopter extraction which lifting device should be avoided when hoisting this patient to the aircraft?

- (A) The rescue basket
- (B) The rescue sling
- (C) The rescue litter
- (D) The rescue net

*If choice B is selected set score to 1.*
36. Which is TRUE concerning drinking salt water?
   - (A) Consuming saltwater will dehydrate you
   - (B) It is safe to drink if mixed with fresh water
   - (C) Saltwater prevents seasickness
   - (D) Saltwater protects against heat cramps

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

37. When is it recommended that Seawater be used for drinking?
   - (A) Under no conditions should seawater be drunk
   - (B) If gathered during or immediately after a hard rain
   - (C) After mixing with an equal quantity of fresh water
   - (D) Only at a maximum rate of two ounces per day

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

38. If an inflatable liferaft is overturned, it may be righted by which action?
   - (A) Pushing up from under one end
   - (B) Filling the stabilizers on one side with water
   - (C) Releasing the CO2 cylinder will automatically upright the craft
   - (D) Standing on the inflating cylinder and pulling on the righting straps

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

39. When will the float-free emergency position indicating radio beacon be activated after abandoning ship?
   - (A) Immediately after floating free
   - (B) After about one hour when the salt water activates the battery
   - (C) Only when keyed by the radar of another vessel
   - (D) Only when daylight activates the photovoltaic cell

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

40. An emergency sea anchor may be constructed by using which item(s)?
   - (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.*
41. Your vessel has 3 lifeboats on each side. The aftermost boat on the port side is designated as which boat number?
   - (A) 3 PORT
   - (B) 5
   - (C) 3
   - (D) 6

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

42. How should an inflatable liferaft be manually released from its cradle?
   - (A) Cutting the straps that enclose the container
   - (B) Loosening the turnbuckle on the securing strap
   - (C) Removing the rubber sealing strip from the container
   - (D) Pushing the button on the hydrostatic release

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

43. During a SAR helicopter evolution the rescue sling is the most widely used method of extraction. Which of the following describes the alternate Double Lift Method used to pick-up incapacitated persons?
   - (A) A normal rescue sling and a rescue seat used to simultaneously extract multiple personnel
   - (B) A normal rescue sling and a rescue net used to simultaneously extract multiple personnel
   - (C) A normal rescue sling and a seating belt manned by a helicopter crew member
   - (D) Two normal rescue slings one manned by a helicopter crew member

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

44. Your vessel has 3 lifeboats on each side. What is the designated boat number of the aftermost boat on the starboard side?
   - (A) 6
   - (B) 5
   - (C) 3
   - (D) 3 STARBOARD

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

45. What is TRUE concerning frapping lines?
   - (A) They are needed only on radial davits.
   - (B) They are used to clear the puddings.
   - (C) They are normally attached to the davit span.
   - (D) They are used to steady a lifeboat when lowered.

   *If choice D is selected set score to 1.*
46. What is the function of the hand holds or straps on the underside of an inflatable liferaft?
   - (A) For crewmen to hang on to
   - (B) To right the raft if it capsizes
   - (C) To hang the raft for drying
   - (D) To carry the raft around on deck

   If choice B is selected set score to 1.

47. The lever shown in illustration D013SA below is operated when a lifeboat is in which of the following positions?
   - (A) When waterborne
   - (B) As it is being lowered to sea level
   - (C) While at the embarkation deck
   - (D) In the secured position in the davit

   If choice A is selected set score to 1.

48. In illustration D012SA below, what is the mechanism that will release the tricing pendant?
   - (A) The McCluny hook
   - (B) The fore and aft gripes
   - (C) A quick release lever
   - (D) A 3/4" screw pin shackle

   If choice A is selected set score to 1.

49. 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.

50. BOTH INTERNATIONAL & INLAND What does the continuous sounding of a fog whistle by a vessel indicate?
   - (A) That the vessel is anchored
   - (B) A vessel is in distress
   - (C) A vessel is broken down and drifting
   - (D) A request that the draw span of a bridge to be opened

   If choice B is selected set score to 1.