

U.S.C.G. Merchant Marine Exam
Mobile Offshore Drilling Units
Q440 BCO - Deck General - Safety
(Sample Examination)

Choose the best answer for the following Multiple Choice Questions.

1. When is an air mass termed "warm"?

- (A) If it originated in a high pressure area
- (B) If it originated in a low pressure area
- (C) If the mass is above 70°F
- (D) If the ground over which it moves is cooler than the air

If choice D is selected set score to 1.

2. Each hand portable fire extinguisher on a MODU must be marked with _____.

- (A) an identification number different from other extinguishers on the unit
- (B) the date that it was installed on the unit
- (C) the names of the individuals qualified to use it
- (D) the name of the unit on which it is located

If choice A is selected set score to 1.

3. The international shore connection required on a MODU is designed to _____.

- (A) allow hook up of firefighting water from a dock or another vessel
- (B) permit discharge of waste oil
- (C) allow emergency use of the fire main for deballasting
- (D) satisfy pollution prevention requirements

If choice A is selected set score to 1.

4. Clean air standards referred to as "Grade D" apply to compressed air for use in _____.

- (A) high pressure fluid accumulators
- (B) bladder-type accumulators
- (C) filling open-circuit breathing systems
- (D) driving air-powered plunger pumps

If choice C is selected set score to 1.

5. A fire in a ballast pumproom can be brought under control with minimal impact on stability by _____.

- (A) cooling the outside bulkheads with water
- (B) closing the sea chest
- (C) shutting all sources of air into the compartment
- (D) flooding the compartment with salt water

If choice C is selected set score to 1.

6. Control of fire on a MODU should be addressed _____.

- (A) following establishment of fire boundaries
- (B) following control of flooding
- (C) immediately after restoring vital services
- (D) immediately

If choice D is selected set score to 1.

7. Each fireman's outfit and its spare equipment on a MODU must be stowed _____.

- (A) at a fire hydrant location
- (B) in a separate and accessible location
- (C) in a locked cabinet in the machinery space
- (D) in an unlocked cabinet in the machinery space

If choice B is selected set score to 1.

8. On a MODU, a fixed carbon dioxide or other approved system must be installed _____.

- (A) where oil or chemical drums are stored
- (B) in paint lockers
- (C) in all battery storage locations
- (D) in all of the above locations

If choice A is selected set score to 1.

9. Each fire hydrant serving machinery spaces containing oil fired boilers, internal combustion machinery, or oil fuel units must be equipped with a _____.

- (A) pick axe
- (B) low-velocity spray applicator
- (C) fireman's outfit
- (D) marine strainer

If choice B is selected set score to 1.

10. A CO2 extinguisher which has lost 10% of its charge must be _____.

- (A) used at the earliest opportunity
- (B) weighed again in one month
- (C) recharged
- (D) hydro tested

If choice C is selected set score to 1.

11. What equipment is included in the fireman's outfit?

- (A) Self-contained breathing apparatus
- (B) Marlinspike
- (C) Approved work vest
- (D) Chemical protection face shield

If choice A is selected set score to 1.

12. How should a patient suffering from heat exhaustion be treated?

- (A) Kept standing and encouraged to walk slowly and continuously
- (B) Moved to a cool room and told to lie down
- (C) Given a glass of water and told to return to work after 15 minutes of rest
- (D) Given a stimulant to increase blood flow to the brain

If choice B is selected set score to 1.

13. Seasickness is caused by rolling or rocking motions which affect fluids in what body part?

- (A) The lower intestines
- (B) The stomach
- (C) The bladder
- (D) The inner ear

If choice D is selected set score to 1.

14. What are the symptoms of sugar diabetes?

- (A) Decreased appetite and thirst
- (B) Increased appetite and thirst
- (C) Elevated temperature
- (D) Gain in weight

If choice B is selected set score to 1.

15. What does first aid mean?

- (A) Dosage of medications
- (B) Setting of broken bones
- (C) Medical treatment of accident
- (D) Emergency treatment at the scene of the injury

If choice D is selected set score to 1.

16. What is the primary concern in aiding a back injury patient?

- (A) relieving the patient's pain by giving aspirin or stronger medication
- (B) providing enough fluids to prevent dehydration
- (C) avoiding possible injury to the spinal cord by incorrect handling
- (D) preventing convulsions and muscle spasms caused by the pain

If choice C is selected set score to 1.

17. Chemical burns are caused by the skin coming in contact with what substance(s)?

- (A) Acids, but not alkalis
- (B) Diesel oil
- (C) Acids or alkalis
- (D) Alkalis, but not acids

If choice C is selected set score to 1.

18. The rescuer can best provide an airtight seal during mouth-to-mouth resuscitation by pinching the victim's nostrils and _____.

- (A) applying his mouth tightly over the victim's mouth
- (B) holding the jaw down firmly
- (C) cupping a hand around the patient's mouth
- (D) keeping the head elevated

If choice A is selected set score to 1.

19. What is the proper stimulant for an unconscious person?

- (A) Tea
- (B) Whiskey and water
- (C) Coffee
- (D) Ammonia inhalant

If choice D is selected set score to 1.

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

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

If choice A is selected set score to 1.

21. How can you recognize the necessity for administering artificial respiration?

- (A) Lack of breathing
- (B) Irregular breathing
- (C) Vomiting
- (D) Unconsciousness

If choice A is selected set score to 1.

22. According to the MODU regulations, the capacity of a liferaft is required to be marked _____.

- (A) on the Muster List ("Station Bill")
- (B) in the Operations Manual
- (C) on the Certificate of Inspection
- (D) on a sign next to the liferaft

If choice D is selected set score to 1.

23. The muster list shows each rig hand's muster station, his duties during abandonment, basic instructions, and _____.

- (A) work schedule
- (B) the time each weekly drill will be held
- (C) instructions for lowering the survival craft
- (D) all emergency signals

If choice D is selected set score to 1.

24. The Muster List ("Station Bill") shows each person's lifeboat station, duties during abandonment, basic instructions, and _____.

- (A) instructions for lowering the lifeboats
- (B) all emergency signals
- (C) the time each weekly drill will be held
- (D) work schedule

If choice B is selected set score to 1.

25. The limit switches on a MODUs survival-craft winch system _____.

- (A) stop the winch in case the craft weighs too much
- (B) stop the winch just before the craft reaches the final stowage position
- (C) limit the ascent rate
- (D) limit the amount of cable on the drum

If choice B is selected set score to 1.

26. On offshore drilling units each inflatable liferaft that is not intended for davit launching must be stowed so as to float free or be _____.

- (A) replaced every 12 months
- (B) equipped with a hydrostatic release
- (C) located above the main deck area
- (D) stowed in approved racks

If choice B is selected set score to 1.

27. A life preserver or buoyant work vest is required to be worn on a MODU when a person is _____.

- (A) operating line throwing equipment
- (B) working over water
- (C) working on the rig floor
- (D) working on the pipe racks

If choice B is selected set score to 1.

28. Each person on a MODU carrying immersion suits must wear the immersion suit in a boat drill, or participate in a drill which includes donning the suit and being instructed in its use at least once every _____.

- (A) month
- (B) 2 months
- (C) 3 months
- (D) 6 months

If choice A is selected set score to 1.

29. An offshore drilling unit must have enough inflatable liferafts to accommodate at least what percentage of the persons allowed?

- (A) 20%
- (B) 30%
- (C) 50%
- (D) 100%

If choice D is selected set score to 1.

30. During the required periodic abandon ship drill aboard a MODU, each person not assigned duties in the muster list is _____.

- (A) instructed in the use of life jackets
- (B) shown a video demonstrating lifeboat launching
- (C) instructed in the use of portable fire extinguishers
- (D) not required to attend the boat drill

If choice A is selected set score to 1.

31. When a davit-launched raft is lowered from a MODU, upon becoming waterborne, the raft is released by _____.

- (A) pulling smartly on the knobbed cocking lanyard
- (B) the effects of buoyancy removing the weight of the raft from the hook
- (C) activating the release lock of the hook
- (D) releasing the boarding flap and the bowsing lines

If choice B is selected set score to 1.

32. The immersion suit requirements for MODU's apply to units operating in the Atlantic Ocean above _____.

- (A) 20°North and below 20°South
- (B) 25°North and below 25°South
- (C) 30°North and below 30°South
- (D) 32°North and below 32°South

If choice D is selected set score to 1.

33. The MODU has suffered a casualty which requires an orderly evacuation of the unit using the lifeboats and liferafts. Among the items to accomplish in preparing to evacuate the unit is _____.

- (A) distributing self-contained breathing devices
- (B) taking a soil sample of the bottom
- (C) securing the unit as in preparation for a severe storm
- (D) All of the above

If choice C is selected set score to 1.

34. Offshore drilling units must have at least two ring buoys with water lights that, when released from the mounting rack, activate a _____.

- (A) smoke signal
- (B) battery powered horn
- (C) radio signal
- (D) steam whistle

If choice A is selected set score to 1.

35. The Master or person in charge on a MODU shall insure that line throwing equipment is not operated _____.

- (A) near a lifeboat station
- (B) during a rain storm
- (C) by other than senior rig personnel
- (D) in an explosive atmosphere

If choice D is selected set score to 1.

36. The routes to be used during evacuation of the MODU are shown in the _____.

- (A) posted Fire Control/Lifesaving Plan
- (B) Muster List ("Station Bill")
- (C) official log
- (D) control room under glass

If choice A is selected set score to 1.

37. Where would you find the "call sign" or "call letters" of the radio station on your rig?

- (A) On the rig Watch Bill
- (B) On the Certificate of Inspection
- (C) On the Ship Station License
- (D) In the rig safety manual

If choice C is selected set score to 1.

38. What agency issues the Ship Station license for the VHF marine radio on a mobile offshore drilling unit?

- (A) Department of Transportation
- (B) Federal Broadcast Authority
- (C) Federal Communications Commission
- (D) U.S. Coast Guard

If choice C is selected set score to 1.

39. You cannot operate a VHF or SSB radiotelephone aboard a rig unless that station is licensed. Which of the following organizations issues the license?

- (A) Department of Energy
- (B) Minerals Management Service
- (C) U.S. Coast Guard
- (D) Federal Communications Commission

If choice D is selected set score to 1.

40. Offshore drilling units that are on an international voyage must have a portable radio apparatus that meets specific requirements. Which of the following organizations mandates these requirements?

- (A) American Bureau of Shipping
- (B) Minerals Management Service
- (C) U.S. Coast Guard
- (D) Federal Communications Commission

If choice D is selected set score to 1.

41. You are standing a radio watch aboard the rig. A crew boat calls you on VHF channel 16. When you reply with your vessel name and call letters, you should request the crew boat to switch to which of the following channels?

- (A) 6
- (B) 10
- (C) 12
- (D) 14

If choice B is selected set score to 1.

42. All of the following are recognized distress signals under the Navigation Rules EXCEPT which signal?

- (A) Orange-colored smoke
- (B) The repeated raising and lowering of outstretched arms
- (C) Red flares
- (D) A green star signal

If choice D is selected set score to 1.

43. Distress signals may be _____.

- (A) red flares
- (B) smoke signals
- (C) sound signals
- (D) Any of the above

If choice D is selected set score to 1.

44. What is the spoken emergency signal for a distress signal over a VHF radio?

- (A) Mayday
- (B) Red Alert
- (C) Security
- (D) Pan

If choice A is selected set score to 1.

45. Which is TRUE of a distress signal?

- (A) It is used to indicate doubt about another vessel's intentions
- (B) It may be used individually or in conjunction with other distress signals
- (C) It shall consists of 5 or more short blasts of the fog signal apparatus
- (D) It shall consists of the raising and lowering of a large white flag

If choice B is selected set score to 1.

- 46.** You are underway in mid-ocean, when you hear a distress message over the VHF radio. The position of the sender is 20 miles away. What action should you take?
- (A) Defer acknowledgment for a short interval so that a coast station may acknowledge receipt.
 - (B) Immediately acknowledge receipt of the distress message.
 - (C) Do not acknowledge receipt until other ships nearer to the distress have acknowledged.
 - (D) Do not acknowledge because you are too far away to take action.

If choice B is selected set score to 1.

- 47.** What should you do if you have transmitted a distress call a number of times on channel 16 and have received no reply?
- (A) Turn up the volume on the receiver before transmitting again.
 - (B) Key the microphone several times before transmitting again.
 - (C) Repeat the message using any other channel on which you might attract attention.
 - (D) Report the problem to the head electrician.

If choice C is selected set score to 1.

- 48.** You are underway in the Gulf of Mexico when you hear a distress message over the VHF radio. The position of the sender is about 20 miles south of Galveston, TX, and you are about 80 miles ESE of Galveston. What action should you take?
- (A) Immediately acknowledge receipt of the distress message
 - (B) Do not acknowledge receipt until other ships nearer to the distress have acknowledged
 - (C) Do not acknowledge receipt because you are too far away to take action
 - (D) Defer acknowledgment for a short interval so that a coast station may acknowledge receipt

If choice D is selected set score to 1.

- 49.** How can you indicate that your vessel is in distress?
- (A) Sounding five or more short and rapid blasts on the whistle
 - (B) Displaying three black balls in a vertical line
 - (C) Continuously sounding the fog whistle
 - (D) Displaying a large red flag

If choice C is selected set score to 1.

- 50.** Which is one of the signals, other than a distress signal, that can be used by a rescue boat to attract attention?
- (A) A burning barrel
 - (B) Orange smoke signal
 - (C) A red star shell
 - (D) A searchlight

If choice D is selected set score to 1.