

U.S.C.G. Merchant Marine Exam
Mobile Offshore Drilling Units
Q430 OIM – Deck General – Safety
(Sample Examination)

Choose the best answer to the following Multiple-Choice Questions.

1. Fighting a fire in the galley poses which additional threat?

- A. A grease fire in the ventilation system
- B. Contaminating food with extinguishing agent
- C. Spreading through the engineering space
- D. The loss of stability

Correct answer: A

2. When daylight savings time is kept, the times of tide and current calculations must be adjusted. How can this be accomplished?

- A. Apply no correction as the times at the reference stations are adjusted for daylight savings time
- B. Subtract one hour from the times listed for the subordinate stations
- C. Add one hour to the times listed for the reference stations
- D. Add 15° to the standard meridian when calculating the time differences

Correct answer: C

3. Where can a rescuer most easily check to determine whether or not an adult victim has a pulse?

- A. Femoral artery in the groin
- B. Radial artery in the wrist
- C. Carotid artery in the neck
- D. Brachial artery in the arm

Correct answer: C

4. What is a convenient and effective system of examining the body of an injury victim?

- A. Look for uncontrolled vibration or twitching of parts of the body.
- B. Look for discoloration of the patient's skin.
- C. Watch the patient's eyes as you probe parts of the body.
- D. Check the corresponding (left versus right) parts of the body.

Correct answer: D

5. To determine the number of portable fire extinguishers required on a mobile offshore drilling unit, you should check the _____.

- A. Safety of Life at Sea Certificate
- B. hot work permit
- C. Operations Manual
- D. Certificate of Inspection

Correct answer: D

6. The signal to man emergency stations on MODU's is _____.
- A. 30 seconds on/30 seconds off alternating signal
 - B. announced over PA system
 - C. continuous ringing of general alarm signal
 - D. a rapid succession of short soundings of the general alarm and whistle

Correct answer: D

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

Correct answer: D

8. What is NOT a characteristic of carbon dioxide fire-extinguishing agents?
- A. Non-corrosive
 - B. Will not deteriorate in storage
 - C. Effective on electrical equipment
 - D. Effective even if ventilation is not shut down

Correct answer: D

9. Which statement concerning carbon dioxide is FALSE?
- A. It displaces the oxygen in the air.
 - B. It is safe to use near personnel in a confined space.
 - C. It cannot be seen.
 - D. It cannot be smelled.

Correct answer: B

10. An uncontrolled flow of gas, oil, or other well fluids into the atmosphere is called a _____.
- A. breakout
 - B. flow
 - C. blowout
 - D. kick

Correct answer: C

11. Except as provided by approved special examinations, each offshore drilling unit must be dry-docked at least once during every _____.
- A. 12 month period
 - B. 18 month period
 - C. 24 month period
 - D. 36 month period

Correct answer: C

12. The number of certificated able seamen and lifeboatmen required on a MODU is stated in the _____.

- A. Certificate of Inspection
- B. American Bureau of Shipping code
- C. Safety of Life at Sea Convention
- D. Minerals Management Service regulations

Correct answer: A

13. How long shall the Oil Record Book be maintained on a vessel engaged in coastwise trade?

- A. 12 months
- B. 24 months
- C. 36 months
- D. 48 months

Correct answer: C

14. 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

Correct answer: B

15. Which officer is responsible for the sanitary condition of the engineering department?

- A. Chief Engineer
- B. First Assistant
- C. Chief Mate
- D. Master

Correct answer: A

16. Beyond the area of state ownership in the U.S. outer continental shelf, the right to drill is controlled by the _____.

- A. U.S. Corps of Engineers
- B. U.S. Coast Guard
- C. American Bureau of Shipping
- D. Bureau of Ocean Energy Management

Correct answer: D

17. The instructions for launching lifeboats and liferafts on a MODU are a requirement of the _____.

- A. Minerals Management Service
- B. person-in-charge of the unit
- C. Coast Guard
- D. lease operator

Correct answer: C

18. Which is TRUE of the term coastal current?

- A. It flows in a circular pattern
- B. It flows outside the surf zone
- C. It is generated by waves striking the beach
- D. It is also known as a longshore current

Correct answer: B

19. Who is responsible for providing urine specimen collection kits to be used following a serious marine incident?

- A. Qualified medical personnel
- B. The marine employer
- C. The local police department
- D. The U.S. Coast Guard

Correct answer: B

20. On a MODU, how many ring buoys are required to have a buoyant line attached?

- A. Three ring life buoys
- B. One ring life buoy
- C. Two ring life buoys on each side of the MODU
- D. One ring life buoy on each side of the MODU

Correct answer: D

21. Plain language is usually used on marine weather _____.

- A. forecasts
- B. synoptic chart
- C. analyses
- D. observations

Correct answer: A

22. What is the minimum required number of fire axes that must be carried on a mobile offshore drilling unit?

- A. 2
- B. 3
- C. 4
- D. 5

Correct answer: A

23. With regard to the opening and closing of watertight integrity appliances not fitted with a remote operating control or alarm system, what must the Master or person in charge of a MODU enter in the logbook?

- A. The time required to close the appliances
- B. The reason for opening or closing each appliance
- C. The name of the person performing the opening and closing of such appliances
- D. The fact that the hull indicators functioned or not

Correct answer: B

24. Which is TRUE concerning immersion suits and their use?

- A. They provide sufficient flotation to do away with the necessity of wearing a life jacket.
- B. They should be tight fitting.
- C. A puncture in the suit will not appreciably reduce its value.
- D. Only a light layer of clothing may be worn underneath.

Correct answer: A

25. Which is TRUE of High-velocity fog?

- A. It produces an effective fog pattern no more than 6 feet beyond the nozzle
- B. It requires that the water pressure be no greater than 60 psi
- C. It is a finer, more diffuse water spray than low-velocity fog
- D. It extinguishes a fire by absorbing heat and reducing the supply of oxygen

Correct answer: D

26. Which indicates the volatility of a flammable liquid?

- A. The ignition temperature of the liquid
- B. The flammable range of the liquid
- C. The flash point of the liquid
- D. The conversion index of the liquid

Correct answer: C

27. 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%

Correct answer: D

28. Why can a person's sense of smell not be depended upon to detect H₂S?

- A. it is better to rely on eye irritation as a detector
- B. hydrogen sulfide gas is odorless
- C. it has a smell similar to petroleum products
- D. the sense of smell is deadened by the gas

Correct answer: D

29. Load line regulations are designed to ensure that a MODU has adequate structural strength and sufficient _____.

- A. riser tension
- B. stability
- C. mooring tension
- D. lifesaving equipment

Correct answer: B

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

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

Correct answer: D

31. A small fuel spillage has occurred during helicopter refueling. After the leak has been stopped and fire-control personnel have been notified and are standing by, the next step is to _____.

- A. wash spilled fuel away with a flood of water
- B. proceed with fueling operation
- C. clean spilled fuel with rags
- D. have helicopter move to a safer location

Correct answer: A

32. The damage to a vessel is over \$25,000. Who must notify the nearest Coast Guard Marine Safety or Marine Inspection Office as soon as possible?

- A. The Master of the vessel
- B. The owner of the vessel
- C. The person in charge of the vessel at the time of casualty
- D. Any one of the above

Correct answer: D

33. A person on a fixed or floating platform engaged in oil exploration located 10 nautical miles from nearest land MAY discharge which of the following?

- A. food waste
- B. paper, ground to less than 1"
- C. food, ground to less than 1"
- D. None of the above

Correct answer: D

34. If you observe any situation which presents a safety or pollution hazard during fuel transfer operations on a MODU, what action should you take FIRST?
- A. Shut down the transfer operation.
 - B. Sound the fire alarm.
 - C. Notify the ballast control operator.
 - D. Wait for the person in charge to act.

Correct answer: A

35. Where there are multiple accident victims, which type of injury should be the first to receive emergency treatment?
- A. Burns
 - B. Major multiple fractures
 - C. Severe shock
 - D. Eye injuries

Correct answer: C

36. Weather observations provided by each weather station include all of the following except which item?
- A. Visibility
 - B. Predicted weather for the next twelve hours
 - C. Temperature
 - D. Barometric pressure and change in the last three hours

Correct answer: B

37. Which of the following items should all MODU personnel be familiar with?
- A. fuel consumption rates
 - B. boarding and operating procedures
 - C. navigational systems
 - D. maintenance schedule

Correct answer: B

38. Apparent wind speed blowing across a MODU under tow can be measured by a(n) _____.
- A. wind vane
 - B. barometer
 - C. thermometer
 - D. anemometer

Correct answer: D

39. Which of the following is not an acceptable unit of measure to be used consistently throughout an Oil Record Book?

- A. Barrels
- B. Gallons
- C. Tons
- D. Cubic meters

Correct answer: C

40. Which logbook is required to be submitted to the Coast Guard?

- A. Rough log
- B. Smooth log
- C. Bell log
- D. Official Log

Correct answer: D

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

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

Correct answer: B

42. Which is TRUE if passengers are on board when an abandon ship drill is carried out?

- A. The passengers should take part in the drill
- B. The passengers should just watch
- C. Passengers should go to their quarters during drills
- D. The passengers should stay out of the way and do what they want

Correct answer: A

43. Weather systems in the middle latitudes generally travel in which direction?

- A. West to East
- B. North to South
- C. East to West
- D. Southeast to Northwest

Correct answer: A

44. The size of fire hydrant hose connections on a cargo vessel must be either 1-1/2 inches or _____.

- A. 1 inch
- B. 2-1/2 inches
- C. 3 inches
- D. 3-1/2 inches

Correct answer: B

45. Annual inspection of MODU cranes shall be conducted by _____.

- A. the person in charge
- B. the crane operator
- C. a qualified inspector
- D. U.S. Coast Guard

Correct answer: C

46. All personnel on board a vessel should be familiar with the rescue boat's _____.

- A. boarding and operating procedure
- B. navigational systems
- C. fuel consumption rates
- D. maintenance schedules

Correct answer: A

47. Which is supplied to the vessel by the U.S. Coast Guard?

- A. Bell book
- B. Cargo gear register
- C. Rough Logbook
- D. Form CG-706

Correct answer: D

48. A fire starts in a switchboard due to a short circuit. This is which class of fire?

- A. A
- B. B
- C. C
- D. D

Correct answer: C

49. After a liferaft is launched, the operating cord _____.

- A. is used to rig the boarding ladder
- B. is cut immediately as it is of no further use
- C. detaches automatically
- D. serves as a sea painter

Correct answer: D

50. The connection facilities for the international shore connection required on board offshore drilling units in international service must be located to provide access _____.

- A. on each level of the accommodation space
- B. on the drill floor
- C. to each side of the drilling unit
- D. as close as possible to the control house

Correct answer: C