

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. 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

If choice C is selected set score to 1.

2. Accumulations of oily rags should be _____.
- (A) kept in nonmetal containers
 - (B) kept in the paint locker
 - (C) cleaned thoroughly for reuse
 - (D) discarded as soon as possible

If choice D is selected set score to 1.

3. Which record must be retained on board after a report of casualty to a MODU?
- (A) Oil Record Book
 - (B) Repair record book
 - (C) Preventive maintenance log
 - (D) Storage plans

If choice D is selected set score to 1.

4. It is desirable that a vessel encountering hurricane or typhoon conditions sends weather reports to the closest meteorological service at which time interval?
- (A) Every hour
 - (B) Every 8 hours
 - (C) Every 3 hours
 - (D) Every 6 hours

If choice C is selected set score to 1.

5. According to 33 CFR, on board which type of vessel described below is required to maintain Part II (Cargo/Ballast Operations) of the Oil Record Book?
- (A) An oil tanker of 150 gross tons and above on domestic voyages only.
 - (B) A non-tanker that carries more than 200 cubic meters of oil in bulk.
 - (C) A ship of 150 gross tons and above, other than an oil tanker.
 - (D) Any oil tanker of 100 gross tons and above.

If choice B is selected set score to 1.

6. What is NOT a characteristic of carbon dioxide fire-extinguishing agents?

- (A) Effective on electrical equipment
- (B) Effective even if ventilation is not shut down
- (C) Will not deteriorate in storage
- (D) Non-corrosive

If choice B is selected set score to 1.

7. Dry chemical extinguishers may be used on what class of fires?

- (A) B only
- (B) B and C only
- (C) A only
- (D) A, B or C as marked on the extinguisher

If choice D is selected set score to 1.

8. What shall be conducted during a fire and boat drill?

- (A) Fire pumps shall be started and all exterior outlets opened.
- (B) All watertight doors in the vicinity of the drill shall be operated.
- (C) All lifeboat equipment shall be examined.
- (D) All of the above

If choice B is selected set score to 1.

9. Compliance with the terms of the load line certificate on a MODU is the responsibility of the _____.

- (A) Operators representative
- (B) Ballast Control Operator
- (C) Master or Offshore Installation Manager
- (D) Barge Supervisor

If choice C is selected set score to 1.

10. The person in charge of a mobile offshore drilling unit must insure that _____.

- (A) the date and hour of each fire drill is recorded in the log
- (B) each bilge pump is operated at least once a week
- (C) whistles and general alarm bells are tested once each day
- (D) all personnel are provided with work vests

If choice A is selected set score to 1.

11. A MODU crane which has been idle for a period of over six months shall be inspected to the same standards as a _____.

- (A) yearly inspection
- (B) quarterly inspection
- (C) monthly inspection
- (D) weekly inspection

If choice A is selected set score to 1.

12. Which type of respiratory protection is preferable for repair/investigation personnel on a MODU in a hydrogen sulfide (H₂S) environment?

- (A) Demand Self-Contained Breathing Apparatus (SCBA)
- (B) U.S. Navy Oxygen Breathing Apparatus (OBA)
- (C) Pressure-Demand Self-Contained Breathing Apparatus (SCBA)
- (D) Emergency Escape Breathing Apparatus (EEBA)

If choice C is selected set score to 1.

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

- (A) forecasts
- (B) observations
- (C) analyses
- (D) synoptic chart

If choice A is selected set score to 1.

14. Regulations require that line throwing equipment on mobile offshore drilling units be tested at regular intervals. What entry should be made in the logbook?

- (A) Only the date of the test
- (B) The name of the person making the test
- (C) An entry is required only if there is a failure.
- (D) No entry is required unless it is an official logbook.

If choice A is selected set score to 1.

15. 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.

16. Following a serious marine incident, who can collect a sample of a person's saliva or breath?

- (A) The marine employer is the only designated collector
- (B) Any USCG credentialed deck officer
- (C) Only qualified medical personnel
- (D) Any individual trained to operate the alcohol-testing device

If choice D is selected set score to 1.

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

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

If choice C is selected set score to 1.

18. 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.

19. Your rescue craft is broken down and rolling in heavy seas. You can reduce the possibility of capsizing by taking which action?

- (A) Moving all personnel forward and low
- (B) Rigging a sea anchor
- (C) Shifting the rudder constantly
- (D) Moving all personnel aft

If choice B is selected set score to 1.

20. 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) Minerals Management Service
- (C) U.S. Coast Guard
- (D) American Bureau of Shipping

If choice B is selected set score to 1.

21. 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.

22. The International Oil Pollution Prevention (IOPP) Certificate required by MARPOL is issued to U.S. flag MODUs by the _____.

- (A) International Maritime Organization
- (B) Environmental Protection Agency
- (C) American Bureau of Shipping
- (D) U.S. Coast Guard

If choice D is selected set score to 1.

23. All entries in the Official Logbook must be signed by the Master and if required, who else?

- (A) The person about whom the entry concerns
- (B) The Chief Engineer
- (C) One other crew member
- (D) No other signature is required.

If choice C is selected set score to 1.

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

If choice D is selected set score to 1.

25. Which is TRUE of High-velocity fog?

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

If choice B is selected set score to 1.

26. Which of the following medical conditions has symptoms of: burning pain with redness of the skin, an irritating rash, blistering or loss of skin and or toxic poisoning?

- (A) Dermatitis
- (B) Asphyxia
- (C) Chemical burn
- (D) Athlete's foot

If choice C is selected set score to 1.

27. 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.

28. 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.

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

If choice D is selected set score to 1.

30. 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.

31. Which statement concerning immersion suits is TRUE?

- (A) After purchasing, the suit should be removed from its storage bag and hung on a hanger where readily accessible.
- (B) Immersion suits must have a PFD light attached to the front shoulder area.
- (C) Small leaks or tears may be repaired using the repair kit packed with the suit.
- (D) Immersion suits should be worn during routine work on deck to provide maximum protection.

If choice B is selected set score to 1.

32. For the purpose of training and drills, if reasonable and practicable, how frequently should rescue boats be launched with their assigned crew?

- (A) Once a week
- (B) Once a month
- (C) Once a year
- (D) Twice a year

If choice B is selected set score to 1.

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

- (A) Official Log
- (B) Bell log
- (C) Smooth log
- (D) Rough log

If choice A is selected set score to 1.

34. A survival craft being used to pick up a person who has fallen overboard from a MODU should approach the person _____.

- (A) against the wind
- (B) at a high rate of speed
- (C) under oars
- (D) with the wind

If choice A is selected set score to 1.

35. A construction portfolio prepared for each new offshore drilling unit must be approved by the _____.

- (A) National Cargo Bureau
- (B) Minerals Management Service
- (C) U.S. Coast Guard
- (D) American Bureau of Shipping

If choice C is selected set score to 1.

36. A tropical storm is building strength some distance from your MODU. Waves are coming from the east, with periods increasing from 5 seconds to 15 seconds. The swell is from the east. Where was the storm when these new swells were generated?

- (A) To the north of you
- (B) To the east of you
- (C) To the south of you
- (D) To the west of you

If choice B is selected set score to 1.

37. On all mobile offshore drilling units, the deckhead of each accommodation space must be located above _____.

- (A) the deepest load line
- (B) the operating draft
- (C) the transit draft
- (D) the survival draft

If choice A is selected set score to 1.

38. In the Northern Hemisphere how do the major ocean currents tend to flow?

- (A) Clockwise around the North Atlantic and North Pacific Oceans
- (B) Clockwise or counterclockwise depending on whether it is warm or cold current
- (C) Counterclockwise around the North Atlantic and North Pacific Oceans
- (D) Counterclockwise except in the Gulf Stream

If choice A is selected set score to 1.

39. Where can information about the direction and velocity of rotary tidal currents be found?

- (A) Tidal Current Tables
- (B) Mariner's Guide
- (C) Tide Tables
- (D) Nautical Almanac

If choice A is selected set score to 1.

40. When giving first aid, in addition to conducting primary and secondary surveys, what should you be familiar with?

- (A) Which medications to prescribe
- (B) The limits of your capabilities
- (C) How to set broken bones
- (D) How to diagnose an illness from symptoms

If choice B is selected set score to 1.

41. 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.

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

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

If choice D is selected set score to 1.

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

- (A) First Assistant
- (B) Chief Mate
- (C) Chief Engineer
- (D) Master

If choice C is selected set score to 1.

44. Under the regulations implementing MARPOL, a mobile offshore drilling unit is required to have an International Oil Pollution Prevention (IOPP) Certificate when the unit _____.

- (A) engages in a voyage to a port of another country which is a party of MARPOL
- (B) moves to a new drilling location in U.S. waters
- (C) is drilling on the Outer Continental Shelf
- (D) All of the above

If choice A is selected set score to 1.

45. The class of fire on which a blanketing effect is essential is class _____.

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

If choice B is selected set score to 1.

46. Which of the following would be the most probable location to encounter explosive and flammable gasses on a MODU?

- (A) in machinery spaces
- (B) at any location
- (C) on the drill floor and liquid mud handling areas
- (D) in bulk storage tanks

If choice C is selected set score to 1.

47. To determine the number of inflatable liferafts required on a mobile offshore drilling unit, you should check the _____.

- (A) Operations Manual
- (B) Certificate of Inspection
- (C) load line certificate
- (D) stability letter

If choice B is selected set score to 1.

48. The number of certificated able seamen and lifeboatmen required on a MODU is determined by the _____.

- (A) American Bureau of Shipping
- (B) Corps of Engineers
- (C) Minerals Management Service
- (D) Coast Guard

If choice D is selected set score to 1.

49. Which is TRUE concerning air masses near the earth's surface?

- (A) They are not deflected by the earth's rotation
- (B) They move from areas of high pressure to areas of low pressure
- (C) Air masses are not affected the earth' gravity
- (D) In North America the air masses move from east to west

If choice B is selected set score to 1.

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

- (A) Cubic meters
- (B) Tons
- (C) Gallons
- (D) Barrels

If choice B is selected set score to 1.