

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. Which statement is TRUE concerning an inflatable liferaft?

- (A) The raft may be boarded before it is fully inflated.
- (B) Crew members can jump into the raft without damaging it.
- (C) The floor may be inflated for insulation from cold water.
- (D) All of the above

If choice D is selected set score to 1.

2. A MODU must have on board a first-aid kit that is approved by the _____.

- (A) Mine Safety and Health Administration
- (B) Occupational Safety and Health Administration
- (C) Minerals Management Service
- (D) American Bureau of Shipping

If choice A is selected set score to 1.

3. When pumping fuel between an offshore supply vessel (OSV) and a MODU, there must be direct VHF radio contact between the offshore supply vessel engineer and the _____.

- (A) barge superintendent
- (B) person in charge of the fuel transfer
- (C) crane operator
- (D) ballast control operator

If choice B is selected set score to 1.

4. A fire in a pile of linen is a class _____.

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

If choice A is selected set score to 1.

5. What is the most important characteristic of the extinguishing agent in fighting a class "C" fire?

- (A) Temperature
- (B) Weight
- (C) Electrical nonconductivity
- (D) Cost

If choice C is selected set score to 1.

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

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

If choice C is selected set score to 1.

7. Medical treatment aboard a vessel should not go beyond examination and emergency care without first consulting _____.

- (A) the designated medic aboard
- (B) the shore based superintendent
- (C) the approved company medical manual
- (D) a medical doctor

If choice D is selected set score to 1.

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

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

If choice C is selected set score to 1.

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

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

If choice C is selected set score to 1.

10. The main advantage of a steady stream of water on a class "A" fire is that it _____.

- (A) breaks up and cools the fire
- (B) washes the fire away
- (C) protects the firefighting crew
- (D) removes the oxygen

If choice A is selected set score to 1.

11. Weather observations provided by each weather station include all of the following except _____.

- (A) predicted weather for the next twelve hours
- (B) visibility
- (C) temperature
- (D) barometric pressure and change in the last three hours

If choice A is selected set score to 1.

12. Air masses near the earth's surface _____.

- (A) are deflected by the earth's rotation in both hemispheres
- (B) are deflected by the "Coriolis effect"
- (C) move from areas of high pressure to areas of low pressure
- (D) All of the above

If choice D is selected set score to 1.

13. A coastal current _____.

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

If choice D is selected set score to 1.

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

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

If choice D is selected set score to 1.

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

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

If choice A is selected set score to 1.

16. When daylight savings time is kept, the times of tide and current calculations must be adjusted. One way of doing this is to _____.

- (A) add 15° to the standard meridian when calculating the time differences
- (B) add one hour to the times listed for the reference stations
- (C) apply no correction as the times at the reference stations are adjusted for daylight savings time
- (D) subtract one hour from the times listed for the subordinate stations

If choice B is selected set score to 1.

17. If passengers are on board when an abandon ship drill is carried out, they should _____.

- (A) take part
- (B) stay out of the way and do what they want
- (C) watch
- (D) go to their quarters

If choice A is selected set score to 1.

18. Paints and solvents on a vessel should be _____.

- (A) resealed and returned to a well ventilated area after each use
- (B) stored in a suitable gear locker
- (C) covered at all times to protect from ignition sources
- (D) stored safely in a cool dark non-ventilated area until work is completed

If choice A is selected set score to 1.

19. The atmosphere in a tank is too rich when it is _____.

- (A) in a noncombustible state which can be relied on to occur naturally on a regular basis
- (B) capable of supporting combustion
- (C) incapable of supporting combustion because the hydrocarbon vapor content makes the atmosphere below the LFL (Lower Flammable Level)
- (D) incapable of supporting combustion because the hydrocarbon vapor content makes the atmosphere above the UFL (Upper Flammable Limit)

If choice D is selected set score to 1.

20. Fire alarm system thermostats are actuated by _____.

- (A) an electric eye which actuates when smoke interferes with the beam
- (B) the difference in thermal expansion of two dissimilar metals
- (C) pressure loss due to air being heated
- (D) smoke sensors

If choice B is selected set score to 1.

21. When fighting a fire on a bulkhead using a portable carbon dioxide extinguisher, the stream should be directed at the _____.

- (A) base of the flames, moving the horn from side to side, following the flames upward as they diminish
- (B) bottom of the flaming area, moving the horn vertically to the top following the flames upward as they diminish
- (C) center of the flaming area, moving the horn vertically from top to bottom
- (D) top of the flaming area, moving the horn from side to side, following the flames downward as they diminish

If choice A is selected set score to 1.

22. What represents poor sanitary procedures?

- (A) Keep and use a separate filling hose for potable (drinking) water.
- (B) After washing dishes with soap and warm water, sterilize them in water of at least 170°F (76.7°C).
- (C) Locate potable (drinking) water tanks as low as possible in the bilge.
- (D) Eliminate enclosed spaces in which trash, food particles, dirt may gather.

If choice C is selected set score to 1.

23. In weighing CO₂ cylinders, they must be recharged if weight loss exceeds _____.

- (A) 15% of weight of full bottle
- (B) 10% of weight of charge
- (C) 10% of weight of full bottle
- (D) 20% of weight of charge

If choice B is selected set score to 1.

24. 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) Wait for the person in charge to act.
- (B) Notify the ballast control operator.
- (C) Shut down the transfer operation.
- (D) Sound the fire alarm.

If choice C is selected set score to 1.

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

- (A) unconsciousness
- (B) blue color and lack of breathing
- (C) irregular breathing
- (D) vomiting

If choice B is selected set score to 1.

26. You are operating a fire hose with an applicator attached. If you put the handle of the nozzle in the vertical position you will _____.

- (A) shut off the water
- (B) produce a straight stream
- (C) produce low-velocity fog
- (D) produce high-velocity fog

If choice C is selected set score to 1.

27. What should you look for evidence of if a victim is unconscious?

- (A) high fever
- (B) broken limbs
- (C) head injury
- (D) irregular breathing

If choice D is selected set score to 1.

28. What must the rescuer be able to do in managing a situation involving multiple injuries?

- (A) provide the necessary medication
- (B) rapidly evaluate the seriousness of obvious injuries
- (C) prescribe treatment for the victim
- (D) accurately diagnose the ailment or injury

If choice B is selected set score to 1.

29. On offshore drilling units, the number of industrial personnel permitted to be on board during drilling operations is found on the _____.

- (A) Owner's Operation Manual
- (B) Safety of Life at Sea Certificate
- (C) Classification Certificate
- (D) U.S. Coast Guard Certificate of Inspection

If choice D is selected set score to 1.

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

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

If choice D is selected set score to 1.

31. The regulations regarding Oil Record Books do not apply to MODU's that _____.

- (A) have a valid National Pollutant Discharge Elimination System permit
- (B) are on a voyage of more than 24 hours
- (C) are on an international voyage
- (D) have a valid International Oil Pollution Prevention Certificate

If choice A is selected set score to 1.

32. In the case of a casualty involving a MODU, the Master, owner, agent or person in charge shall make the records required by regulation available upon request to _____.

- (A) anyone involved in the casualty
- (B) the local Captain of the Port
- (C) any Coast Guard official authorized to investigate the casualty
- (D) All of the above

If choice C is selected set score to 1.

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

If choice C is selected set score to 1.

34. If a drill required by regulations is not completed on a mobile offshore drilling unit, the Master or person in charge must _____.

- (A) conduct two of the required drills at the next opportunity
- (B) log the reason for not completing the drill
- (C) report this immediately to the Commandant of the Coast Guard
- (D) report this immediately to the OCMI

If choice B is selected set score to 1.

35. On offshore drilling units fitted with fixed CO2 systems, the system must withstand a bursting pressure of at least _____.

- (A) 5,000 pounds per square inch
- (B) 6,000 pounds per square inch
- (C) 8,000 pounds per square inch
- (D) 10,000 pounds per square inch

If choice B is selected set score to 1.

36. A branch line valve of a fire extinguishing system on a MODU must be marked with the _____.

- (A) date of the last maintenance inspection
- (B) pressure needed to maintain an effective stream at that point
- (C) maximum pressure allowed at that branch
- (D) name of the space or spaces which it serves

If choice D is selected set score to 1.

37. The document that certifies the correctness of the load line marks on a MODU is called the _____.

- (A) Certificate of Documentation
- (B) SOLAS Certificate
- (C) Certificate of Inspection
- (D) Load line certificate

If choice D is selected set score to 1.

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

- (A) Rough Logbook
- (B) Official Logbook
- (C) Bell book
- (D) Cargo gear register

If choice B is selected set score to 1.

39. The Oil Record Book on a vessel NOT engaged on a foreign voyage shall be maintained on board for not less than _____.

- (A) 12 months
- (B) 48 months
- (C) 36 months
- (D) 24 months

If choice C is selected set score to 1.

40. When oily ballast has been pumped overboard, an entry must be made in the _____.

- (A) deck rough log
- (B) Official Logbook
- (C) engine rough log
- (D) Oil Record Book

If choice D is selected set score to 1.

41. After your vessel has been involved in a casualty, you are required to make your logbooks, bell books, etc., available to _____.

- (A) U.S. Coast Guard officials
- (B) attorneys for opposition parties
- (C) marine surveyors
- (D) All of the above

If choice A is selected set score to 1.

42. A vessel is not required to carry urine specimen collecting kits onboard the vessel only if the individuals directly involved in a Serious Marine Incident can be tested ashore within _____?

- (A) 12 hours
- (B) 24 hours
- (C) 32 hours
- (D) 48 hours

If choice C is selected set score to 1.

43. What is the international calling and distress channel found on all VHF-FM equipped drilling rigs?

- (A) Channel 1
- (B) Channel 10
- (C) Channel 16
- (D) Channel 68

If choice C is selected set score to 1.

44. You are standing radio watch and monitoring VHF Channel 16 when you receive a call to your rig, TEXAS STAR, from a supply boat. What is the proper way to answer this call?

- (A) 'This is TEXAS STAR, WSR 1234, reply Channel 10.'
- (B) 'This is TEXAS STAR on Channel 16. Come back.'
- (C) 'This is TEXAS STAR. Pick a channel.'
- (D) 'Please stand by. We're busy right now.'

If choice A is selected set score to 1.

45. What is the primary advantage of a davit-launched liferaft in comparison to an inflatable liferaft?

- (A) The davit-launched liferaft enables personnel to enter the raft without having to enter the water.
- (B) The davit-launched liferaft has a built-in sprinkler system for fire protection.
- (C) The davit-launched liferaft is made of fire-retardant material.
- (D) The davit-launched liferaft is easier to maintain.

If choice A is selected set score to 1.

46. 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.

47. The muster list must be posted in conspicuous locations and signed by the _____.

- (A) safety officer
- (B) Coast Guard Officer approving the bill
- (C) owner
- (D) Master

If choice D is selected set score to 1.

48. Each buoyant work vest on a MODU must be _____.

- (A) Coast Guard approved
- (B) equipped with a water light
- (C) marked with the name of the unit
- (D) All of the above

If choice A is selected set score to 1.

49. Life jackets should be marked with the _____.

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

If choice B is selected set score to 1.

50. When a helicopter is lifting personnel from a survival craft, the other individuals in the craft should _____.

- (A) remain seated inside the craft to provide body weight for stability
- (B) stand on the outside of the craft to assist the person being lifted
- (C) remove their life preservers to prepare for their transfer to the helicopter
- (D) enter the water in case the person being lifted slips from the sling

If choice A is selected set score to 1.