

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

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

Correct answer: B

2. On a class "B" fire, which portable fire extinguisher would be the LEAST desirable?

- A. Water (stored pressure)
- B. Foam
- C. Dry chemical
- D. Carbon dioxide

Correct answer: A

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

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

Correct answer: C

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

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

Correct answer: B

5. Each EPIRB shall be tested using the integrated test circuit and output indicator every \_\_\_\_\_.

- A. week
- B. quarter
- C. month
- D. two weeks

Correct answer: C

6. 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. A tube patch
  - D. Sail twine and vulcanizing kit

Correct answer: B

7. When oily ballast has been pumped overboard, an entry must be made in which log?
- A. Oil Record Book
  - B. Deck rough log
  - C. Engine rough log
  - D. Official Logbook

Correct answer: A

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

Correct answer: B

9. 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

10. When a rescue vessel approaches a survival craft in heavy seas, which action should the person in charge of the survival craft take?
- A. Wait for calmer weather before transferring personnel
  - B. Tie up to the rescue vessel
  - C. Transfer all personnel immediately
  - D. Transfer only those personnel who are not seasick

Correct answer: A

**11.** On offshore drilling units, the number of industrial personnel permitted to be on board during drilling operations is found on the \_\_\_\_\_.

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

Correct answer: B

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

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

Correct answer: B

**13.** 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 3 hours
- B. Every 6 hours
- C. Every hour
- D. Every 8 hours

Correct answer: A

**14.** The number of certificated able seamen and lifeboatmen required on a MODU is stated in the \_\_\_\_\_.

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

Correct answer: A

**15.** The muster list shows each rig hand's muster station, his duties during abandonment, basic instructions, and \_\_\_\_\_.

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

Correct answer: B

**16.** The DEEP DRILLER, loaded as shown in Sample Load Form #1 (Transit), suffers minor damage which results in flooding in tank 1S. You may pump from \_\_\_\_\_.

- A. 2S
- B. 10P
- C. C1S
- D. 1S

Correct answer: D

**17.** After your vessel has been involved in a casualty, who are you required to make your logbooks, bell books, etc., available to?

- A. Attorneys for opposition parties
- B. U.S. Coast Guard officials
- C. Marine surveyors
- D. All of the above

Correct answer: B

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

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

Correct answer: C

**19.** Each EPIRB required on a MODU shall be stowed in a manner which will permit \_\_\_\_\_.

- A. easy access to its storage compartment
- B. it to remain attached to the unit
- C. it to float free if the unit sinks
- D. replacement of the battery without exposure to the weather

Correct answer: C

**20.** 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. ballast control operator
- B. person in charge of the fuel transfer
- C. crane operator
- D. barge superintendent

Correct answer: B

**21.** When an Official logbook is not required, an unofficial logbook is required to be kept aboard for review by a marine inspector for \_\_\_\_\_.

- A. six months
- B. 12 months
- C. one month
- D. None of the above

Correct answer: B

**22.** Which is NOT a required entry in the ship's Official Logbook?

- A. Sale of effects of a deceased crew member
- B. Inspections of cargo gear
- C. Medical treatment of an injury
- D. Dry docking of the vessel

Correct answer: D

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

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

Correct answer: C

**24.** Ventilation systems connected to a compartment in which a fire is burning are normally closed to prevent the rapid spread of the fire by which method?

- A. Radiation
- B. Conduction
- C. Spontaneous combustion
- D. Convection

Correct answer: D

**25.** Apparent wind speed blowing across a MODU under tow can be measured by a(n) \_\_\_\_\_.

- A. anemometer
- B. wind vane
- C. thermometer
- D. barometer

Correct answer: A

**26.** 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

**27.** The factor of safety, based on the elastic limit of the material, for the forks used on power operated industrial trucks aboard a MODU must be at least \_\_\_\_\_.

- A. 2 to 1
- B. 3 to 1
- C. 4 to 1
- D. 5 to 1

Correct answer: B

**28.** Annual inspection of MODU cranes shall be conducted by \_\_\_\_\_.

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

Correct answer: C

**29.** 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 on each side of the MODU
- C. One ring life buoy
- D. Two ring life buoys on each side of the MODU

Correct answer: B

**30.** When fighting a fire using a portable carbon dioxide extinguisher, where should the stream be directed to extinguish the fire?

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

Correct answer: A

**31.** 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. After entry into the water
- B. Only after four hours in the water
- C. Only after two hours in the water
- D. Before entry into the water

Correct answer: A

- 32.** The helicopter deck on an offshore drilling unit is required to be fitted with perimeter lights in alternating colors of \_\_\_\_\_.
- A. yellow and red
  - B. yellow and white
  - C. red and white
  - D. yellow and blue

Correct answer: D

- 33.** Plain language is usually used on marine weather \_\_\_\_\_.
- A. analyses
  - B. synoptic chart
  - C. observations
  - D. forecasts

Correct answer: D

- 34.** The International Oil Pollution Prevention (IOPP) Certificate required by MARPOL is issued to U.S. flag MODUs by the \_\_\_\_\_.
- A. Environmental Protection Agency
  - B. American Bureau of Shipping
  - C. U.S. Coast Guard
  - D. International Maritime Organization

Correct answer: C

- 35.** What shall be conducted during a fire and boat drill?
- A. All lifeboat equipment shall be examined.
  - B. Fire pumps shall be started and all exterior outlets opened.
  - C. All watertight doors in the vicinity of the drill shall be operated.
  - D. All of the above

Correct answer: C

- 36.** After reporting a casualty to a mobile offshore drilling unit, which record must be retained on board?
- A. Hull reports
  - B. Record of drafts
  - C. Machinery repair book
  - D. Anchor record

Correct answer: B

- 37.** In weighing CO<sub>2</sub> cylinders, they must be recharged if weight loss exceeds which amount?
- A. 10% of weight of charge
  - B. 20% of weight of charge
  - C. 10% of weight of full bottle
  - D. 15% of weight of full bottle

Correct answer: A

- 38.** Accumulations of H<sub>2</sub>S gas on a MODU can be dangerous. It is imperative that personnel know that H<sub>2</sub>S gas possesses which of the listed characteristics?
- A. lighter than air
  - B. mildly toxic
  - C. heavier than air
  - D. a yellow gas that is easily recognized

Correct answer: C

- 39.** Which is a characteristic of warm air masses?
- A. Stratiform clouds
  - B. Turbulence within the mass
  - C. Heavy precipitation
  - D. Good visibility

Correct answer: A

- 40.** For H<sub>2</sub>S detection, sensitized tapes indicate H<sub>2</sub>S presence by means of discoloration of an exposed spot on the tape. The shade of the color on the spot depends upon the concentration of H<sub>2</sub>S and which of the following factors?
- A. duration of the exposure
  - B. air pressure at the time of the exposure
  - C. air temperature at the time of the exposure
  - D. humidity at the time of exposure

Correct answer: A

- 41.** 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

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

Correct answer: B

- 43.** 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. Add 15° to the standard meridian when calculating the time differences
  - C. Add one hour to the times listed for the reference stations
  - D. Subtract one hour from the times listed for the subordinate stations

Correct answer: C

- 44.** 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 extinguishes a fire by absorbing heat and reducing the supply of oxygen
  - D. It is a finer, more diffuse water spray than low-velocity fog

Correct answer: C

- 45.** A load line for a MODU is assigned by the \_\_\_\_\_.
- A. Department of Energy
  - B. Corps of Engineers
  - C. Minerals Management Service
  - D. A recognized classification society approved by the Coast Guard

Correct answer: D

- 46.** A construction portfolio prepared for each new offshore drilling unit must be approved by the \_\_\_\_\_.
- A. Minerals Management Service
  - B. National Cargo Bureau
  - C. U.S. Coast Guard
  - D. American Bureau of Shipping

Correct answer: C

- 47.** What is it called when you sort accident victims according to the severity of their injuries?
- A. Triage
  - B. Surveying
  - C. Prioritizing
  - D. Evaluation

Correct answer: A

- 48.** 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. Federal Communications Commission
  - C. U.S. Coast Guard
  - D. Minerals Management Service

Correct answer: B

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

Correct answer: D

**50.** 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

Correct answer: D