

U.S.C.G. Merchant Marine Exam
Master Uninspected Fishing Vessels
Q180 Deck General
(Sample Examination)

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

1. You have determined the maneuvering characteristics of your vessel by taking the radar ranges and bearings of an isolated light while making a turn. The results are listed in illustration D035DG. Based on this data what is the tactical diameter of the turning circle?
- A. 755 yards
 - B. 780 yards
 - C. 820 yards
 - D. 880 yards

Correct answer: D

2. A common class of wire rope is the 6X37 class. What does the 37 represent?
- A. Number of wires in the inner core
 - B. Number of strands per wire rope
 - C. Number of wires per strand
 - D. Tensile strength of the wire

Correct answer: C

3. As a general guide, under which condition should hygroscopic cargoes be ventilated?
- A. When the outside dew point is 60°F (16°C) and the cargo temperature is 54°F (12°C)
 - B. When the dew point of the outside air is greater than the dew point of the air in the hold
 - C. When the dew point of the air in the hold is very low
 - D. When going from a warm to a cold climate

Correct answer: D

4. Which may indicate the proximity of pack ice?
- A. Icebergs
 - B. Rapid changes in seawater salinity
 - C. White glare on clouds on the horizon
 - D. Frequent changes in air temperature

Correct answer: C

5. When the dew point of the outside air is higher than the dew point of the air in the cargo hold, which action should you take?
- A. Energize the intake blowers
 - B. Do not ventilate the cargo holds
 - C. Energize the exhaust blowers
 - D. Ventilate the cargo holds

Correct answer: B

6. When is a lookout permitted to leave his station?

- A. At the end of the watch
- B. 15 minutes before the end of the watch
- C. Only when properly relieved
- D. At any time

Correct answer: C

7. When bunkering at anchorage which of the following signals must be displayed?

- A. A red flag by day, red light by night
- B. A red flag by day ONLY
- C. A red light by night ONLY
- D. No signal required at anchorage

Correct answer: B

8. What is a CORRECT reply to a pilot's request, "How's your head"?

- A. "Checked"
- B. "Eased to 10° rudder"
- C. "Steady"
- D. "Passing 50°"

Correct answer: D

9. An icebreaker assisting a vessel through an ice field displays a visual signal consisting of the code letter "S" (Sierra). What does this signal indicate?

- A. I am operating astern propulsion
- B. I am altering my course to port
- C. I am altering my course to starboard
- D. My vessel is stopped and making no way through the water

Correct answer: A

10. Annex V to MARPOL 73/78 contains requirements pertaining to the discharge into the marine environment of which item?

- A. Garbage
- B. Noxious liquid substances
- C. Oil
- D. Air pollutants

Correct answer: A

11. How many B-II or post 2017 40-B:C fire extinguishers must be in the machinery space of a 75-foot-long fishing vessel propelled by engines with 1200 brake horsepower?

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

Correct answer: B

- 12.** An icebreaker assisting a vessel through an ice field would display a visual signal consisting of the code letter "I" (India) to signify that "_____".
- A. I am operating astern propulsion
 - B. I am altering my course to port
 - C. My vessel is stopped and making no way through the water
 - D. I am altering my course to starboard

Correct answer: B

- 13.** The effect known as "bank cushion" acts in which of the following ways on a single-screw vessel proceeding along a narrow channel?
- A. It forces the entire vessel away from the bank.
 - B. It forces the bow away from the bank.
 - C. It forces the stern away from the bank.
 - D. It heels the vessel toward the bank.

Correct answer: B

- 14.** A copy of the Articles of Agreement, less the signatures, is required to be posted. What is this document called?
- A. Shipping Articles
 - B. Forecastle Card
 - C. Articles Copy
 - D. Voyage Agreement

Correct answer: B

- 15.** Which action reduces the yawing of a vessel in a following sea?
- A. Pumping out tanks aft
 - B. Shifting weights to the bow
 - C. Shifting weights to the stern
 - D. Increasing GM

Correct answer: C

- 16.** If you are bunkering and you close off one tank in the line of tanks being filled, what happens to the rate of flow to other open tanks on the same line?
- A. The rate of flow decreases to the open tanks
 - B. The rate of flow stops to the open tanks
 - C. The rate of flow increases to the open tanks
 - D. The rate of flow remains constant to the open tanks

Correct answer: C

- 17.** You are proceeding along the right bank of a narrow channel aboard a right-handed single-screw vessel. The vessel starts to sheer due to bank suction/cushion effect. Which action should you take?
- A. Increase speed and put the rudder hard right
 - B. Stop engines and put the rudder hard left
 - C. Decrease speed and put the rudder hard right
 - D. Back full with rudder amidships

Correct answer: A

- 18.** When instructing a crew member concerning the right way to lift a weight, how should you instruct him/her?
- A. Bend his back and stoop
 - B. Bend his knees and lift with his legs
 - C. Arch the back to add strength to the muscles
 - D. Bend his back and stoop with arms straight

Correct answer: B

- 19.** Pollution of the waterways may result from the discharge of which item(s)?
- A. An oily mixture of one part per million
 - B. Sewage
 - C. The galley trash can
 - D. All of the above

Correct answer: D

- 20.** On uninspected vessels, when may U. S. Coast Guard approved work vests be substituted for life jackets?
- A. Under no circumstances may they be substituted
 - B. Only when aboard work vessels
 - C. Only when aboard towing vessels
 - D. Only when aboard sailing vessels

Correct answer: A

- 21.** When the period of beam seas equals the natural rolling period of a vessel, what will most likely occur?
- A. Excessive pitching
 - B. Excessive yawing
 - C. Excessive rolling
 - D. No change should be evident

Correct answer: C

- 22.** A tug placed at which location would have MINIMAL effect steering a large vessel?
- A. Attached by a tow line ahead of the vessel
 - B. Placed forward on either bow of the vessel
 - C. Placed approximately amidships of the vessel
 - D. Secured on the vessel's quarter

Correct answer: C

- 23.** Which party must ensure that legal work hour limitations (for both officers and crew members), rest periods and regulations governing work on Sundays and holidays are followed when the vessel is in a safe harbor?
- A. The owner of the vessel
 - B. The Master of the vessel
 - C. The company operating the vessel
 - D. The company chartering the vessel

Correct answer: B

- 24.** Which publication would give detailed information on the commercial vessel traffic reporting system for connecting waters from Lake Erie to Lake Huron?
- A. United States Coast Pilot Number 6 - Great Lakes
 - B. U.S. Coast Guard Light List - Vol. VII
 - C. The appropriate Great Lakes Navigation Chart
 - D. Code of Federal Regulations - Title 33

Correct answer: D

- 25.** You are on a 92-foot fishing vessel with 35 individuals on board. Which one of the following items are you NOT required to have on board?
- A. Gyro compass
 - B. VHF radiotelephone
 - C. Magnetic compass
 - D. Electronic position fixing device

Correct answer: A

- 26.** What does the boom indicator on a crane indicate?
- A. The lifting capacity of the boom
 - B. The direction of the boom
 - C. The length of the boom
 - D. The angle of the boom

Correct answer: D

- 27.** Most of your vessel's superstructure is forward. How will the vessel lie when drifting with no way on?
- A. With the wind off the starboard beam
 - B. With the wind off the port beam
 - C. With the wind from ahead
 - D. With the wind from abaft the beam

Correct answer: D

- 28.** When oil is accidentally discharged into the water, what should you do after reporting the discharge?
- A. Obtain your permit from the Corps of Engineers
 - B. Contain the oil and remove as much of it as possible from the water.
 - C. Throw chemical agents on the water to disperse the oil.
 - D. Throw sand on the water to sink the oil.

Correct answer: B

29. Which term defines the strainer at the bottom of a bilge suction pipe to prevent clogging?

- A. Rose box
- B. Flange
- C. Bellmouth
- D. Pipe cap

Correct answer: A

30. What is the number of fire extinguishers required on an uninspected "motor vessel" based on?

- A. The vessel's gross tonnage
- B. The vessel's length
- C. The vessel's draft
- D. The number of crew members

Correct answer: A

31. You are 15 feet off a pier and docking a vessel using only a bow breast line and stern breast line. Once the slack is out of both lines you begin to haul in on the bow breast line. What is the effect on the vessel?

- A. The bow will come in and the stern will remain the same distance off the pier.
- B. The bow and stern come in equally closer toward the pier.
- C. The bow will come in and the stern will go out.
- D. The stern will come in and the bow will remain the same distance off the pier.

Correct answer: A

32. How long must a "Declaration of Inspection" be kept on board?

- A. One week
- B. Two weeks
- C. One month
- D. Three months

Correct answer: C

33. Who is responsible for the revision of muster lists?

- A. The Chief Officer of the vessel
- B. The owner of the vessel
- C. The Master of the vessel
- D. The United States Coast Guard

Correct answer: C

34. A vessel's Classification Certificate is issued by which organization?

- A. American Bureau of Shipping
- B. United States Coast Guard
- C. United States Customs
- D. National Cargo Bureau

Correct answer: A

- 35.** Asphyxia is generally limited to enclosed spaces, and the deficiency of breathable air in an enclosed space can occur with any of the following conditions. Indicate the condition that will NOT cause asphyxia.
- A. When 21% of oxygen is present.
 - B. Where rusting of internal tank surfaces has taken place.
 - C. When large quantities of cargo vapor is present
 - D. Where large quantities of inert gas is present.

Correct answer: A

- 36.** Which would be considered pollution under the U.S. water pollution laws?
- A. Hazardous substances
 - B. Garbage
 - C. Oil
 - D. All of the above

Correct answer: D

- 37.** A new crewman reports on board. He must be trained in the use of the ship's lifesaving appliances within what time period?
- A. 2 months
 - B. Before sailing
 - C. 1 month
 - D. 2 weeks

Correct answer: D

- 38.** You are mooring to a buoy. How should you make your approach?
- A. The current should be broad on the bow
 - B. The current should be dead ahead
 - C. The current should be on the beam
 - D. Place the current astern and drift to the buoy

Correct answer: B

- 39.** An icebreaker is displaying a flag hoist which consists of the code letters "WO" (Whiskey Oscar). What does this signal indicate?
- A. The icebreaker is icebound
 - B. Icebreaker support is finished
 - C. The icebreaker is beset
 - D. Icebreaker support is commencing

Correct answer: B

- 40.** Which is the BEST way to reduce your wake in a narrow channel?
- A. Apply enough rudder to counter the effect of the current
 - B. Reduce your speed
 - C. Change your course to a zigzag course
 - D. Shift the weight to the stern

Correct answer: B

41. Which type of fixed fire-extinguishing system is approved for use on board uninspected vessels?

- A. Mechanical foam
- B. Chemical foam
- C. Carbon dioxide
- D. Steam smothering

Correct answer: C

42. Disregarding friction, what is the mechanical advantage of a twofold purchase when rove to disadvantage?

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

Correct answer: C

43. Firefighting equipment requirements for a particular vessel may be found on which document?

- A. Certificate of Seaworthiness
- B. Classification Certificate
- C. Certificate of Registry
- D. Certificate of Inspection

Correct answer: D

44. Each life preserver must be readily accessible to the person for whom it is intended. Which statement is TRUE?

- A. Life preservers shall be located at workstations only
- B. Life preservers shall be located in his or her berthing area only
- C. Life preservers shall be located BOTH at work and in berthing areas
- D. None of the above statements are TRUE

Correct answer: C

45. Which device is designed to automatically hold the load if power should fail to an electric winch?

- A. Motor controller
- B. Pneumatic brake
- C. Electromagnetic brake
- D. Hand brake

Correct answer: C

46. A credential for apprentice mate (steersman) of towing vessels shall be renewed within what time period before or after the expiration date?

- A. 12 months
- B. 6 months
- C. 30 days
- D. 90 days

Correct answer: A

47. Your vessel is on an extended foreign voyage. Several vacancies have occurred in your unlicensed crew through sickness and repatriation. Which statement is correct?

- A. Aliens may be employed except that all U.S. flag vessels must maintain no less than 90% U.S. citizens in the crew.
- B. Seamen to fill vacancies must be flown from U.S. to join the vessel in the foreign port.
- C. Vacancies can only be filled by U.S. citizens with valid Merchant Mariner's Documents.
- D. Qualified aliens may be employed to fill the vacancies.

Correct answer: D

48. What is the name of tackle number 1 as shown in illustration D029DG below?

- A. Runner
- B. Single whip
- C. One-fold purchase
- D. Gun tackle

Correct answer: B

49. When is the effect of wind on exposed areas of the vessel most noticeable?

- A. When turning
- B. When going full ahead
- C. When backing
- D. When going slow ahead

Correct answer: C

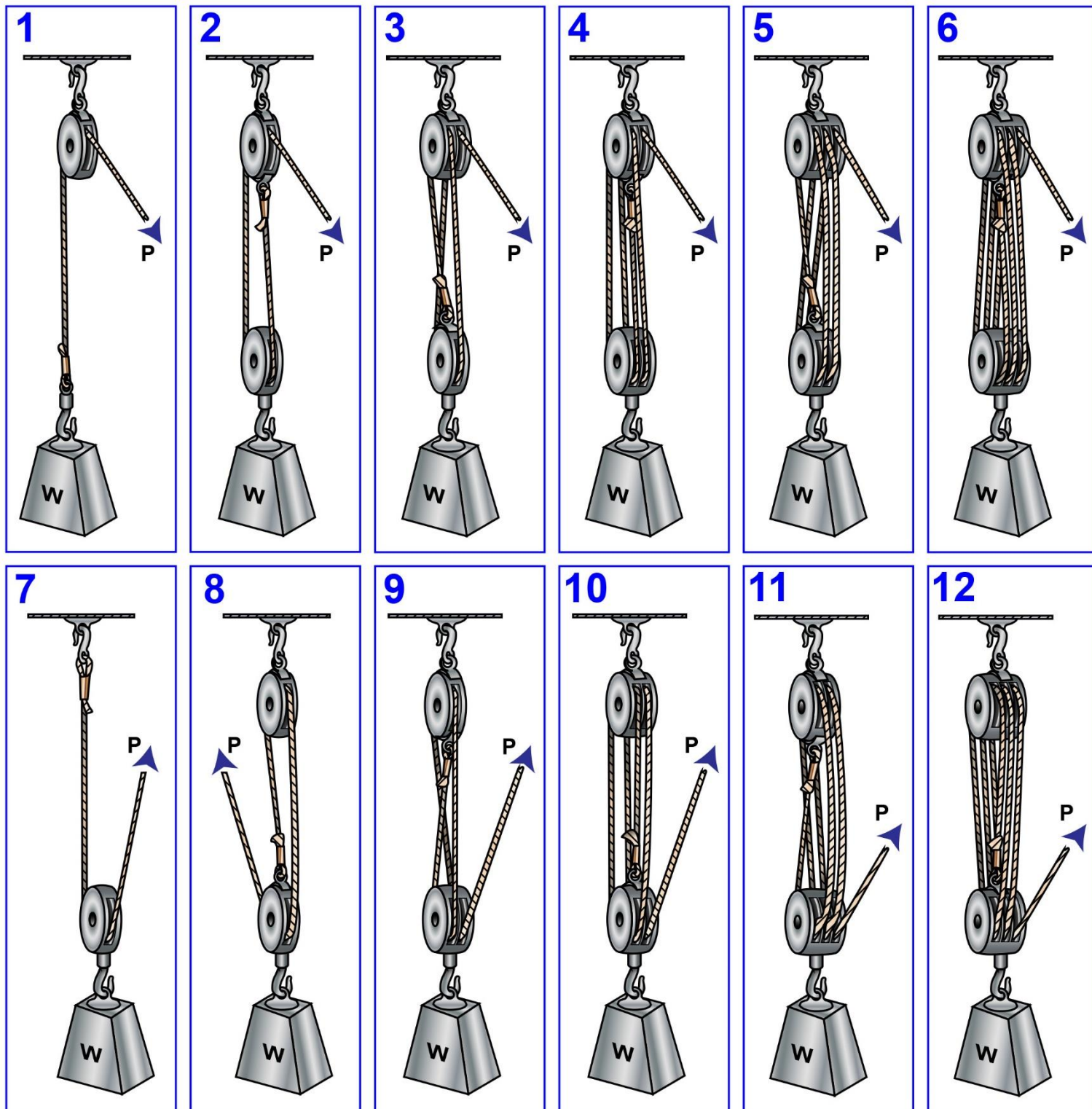
50. Which action(s) is/are included in crane operations?

- A. Pre-operation checks and start-up
- B. Luff, slew, and hoist operations
- C. Removing booms from stowage
- D. All of the above

Correct answer: D



D029DG



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United States Coast Guard National Maritime Center



D035DG

HEADING (TRUE)	BEARING (TRUE)	RANGE (YDS)	REMARKS
333°			INITIAL HEADING
333°	315°	2125	ON INITIAL COURSE
333°	310°	1650	LEFT FULL RUDDER ORDERED
327°	307°	1475	
310°	303°	1250	
278°	302°	1050	
268°	305°	900	
236°	318°	750	
196°	337°	800	
157°	344°	1100	
113°	340°	1350	
079°	332°	1525	
050°	324°	1575	
022°	318°	1550	
343°	308°	1400	RUDDER AMIDSHIPS
333°	302°	1175	STEADY ON 333°

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