























47. When picking up your mooring at the buoy, which is the correct method?

- A. Stop upwind and up current and drift down on the buoy
- B. Approach the buoy with the wind and current astern
- C. Approach the buoy with the wind and current ahead
- D. Approach the buoy with wind and sea abeam

Correct answer: C

48. What is a wet cargo?

- A. A cargo that contains hygroscopic moisture
- B. A liquid cargo carried in the deep tanks
- C. A cargo particularly susceptible to damage by moisture
- D. A canned or bottled liquid such as beer

Correct answer: D

49. Which type of rudder may lose its effectiveness at angles of 10 or more degrees?

- A. Flat plate
- B. Balanced spade
- C. Contra-guide
- D. Unbalanced

Correct answer: B

50. You are operating a 1,000 GT non-oceangoing tankship. It must be equipped with or capable of which of the following?

- A. A means on the weather deck to stop each pump used to discharge oily waste overboard
- B. Must maintain two pumps for discharging oily bilge slops
- C. Shall have a fixed piping system for bilge slops with one outlet on each side of the weather deck
- D. Be capable of retaining all oily mixtures onboard in the ship's bilges or sludge tank

Correct answer: D

51. Which of the following would be a good extinguishing agent for a grade B product of 1,3-Pentadiene?

- A. Foam
- B. Water
- C. Low Velocity Fog
- D. High Velocity Fog

Correct answer: A

52. You are docking a vessel. When are the wind and current most favorable in this situation?

- A. When they are crossing your course, both in the same direction
- B. When they are both parallel to the pier from ahead
- C. When they are both setting you on the pier
- D. When they are crossing your course, in opposite directions to the other

Correct answer: B

53. Generally, you can best maintain a vessel's steering control under which condition(s)?

- A. The vessel has sternway
- B. The vessel has no way on, with engines full ahead
- C. The vessel has headway
- D. The vessel has no way on, with engines stopped

Correct answer: C

54. You are arriving in port and are assigned to anchor in anchorage circle B-4. It has a diameter of 600 yards and your vessel's LOA is 525 feet. If you anchor in 10 fathoms at the center of the circle, what is the maximum number of shots of chain you can use and still remain in the circle?

- A. 4 shots
- B. 5 shots
- C. 6 shots
- D. 7 shots

Correct answer: A

55. Which shallow water effect will increase dramatically if you increase your ship's speed past its "critical speed"?

- A. Bank cushion
- B. Squatting
- C. Smelling the bottom
- D. Sinkage

Correct answer: B

56. Prior to being able to sail, each vessel that carries grain in bulk must have a certificate of loading. Which organization issues this certificate?

- A. National Cargo Bureau
- B. U.S. Salvage
- C. Lloyds of London
- D. American Bureau of Shipping

Correct answer: A

57. An IOPP Certificate on an inspected vessel is valid for what period of time?

- A. 6 months
- B. 12 months
- C. 18 months
- D. 5 years

Correct answer: D

58. What is a sheave?

- A. A seaman's knife
- B. A grooved wheel in a block
- C. A line to hold a lifeboat next to the embarkation deck
- D. A partial load of grain

Correct answer: B

59. Which of the following is considered "discharge" as it applies to the pollution regulations?

- A. pumping
- B. spilling
- C. leaking
- D. All of the above

Correct answer: D

60. Using a scope of 6, determine how many feet of anchor cable you should put out to anchor in 12 feet (3.7 meters) of water.

- A. 2 feet (0.6 meters)
- B. 18 feet (5.5 meters)
- C. 48 feet (14.6 meters)
- D. 72 feet (21.9 meters)

Correct answer: D

61. What speed do most bow thrusters generally become ineffective?

- A. Over 1 knot sternway
- B. Over 3 knots headway
- C. At any speed ahead
- D. At any speed astern

Correct answer: B

62. In accordance with U.S regulations, your cargo vessel must have which of the following?

- A. Separate toilet facilities for engineers where their number exceeds six
- B. Sufficient facilities for the crew to wash their clothes
- C. A wash basin in each room
- D. All of the above

Correct answer: B

63. If Annex V to MARPOL 73/78 applies to your vessel, which of the following cannot be discharged anywhere at sea?

- A. Glass
- B. Metal
- C. Plastic
- D. All of the above

Correct answer: D

64. What is the breaking strain of steel wire rope with a 5/8" diameter?

- A. 1.0 tons
- B. 6.6 tons
- C. 9.6 tons
- D. 15.6 tons

Correct answer: C

65. What is the main advantage and chief characteristic of a Steulchen boom?

- A. It can be operated by one winchman
- B. It is collared to the mast
- C. It can be swung from one hatch to the adjacent hatch
- D. It is cradled on deck when secured for sea

Correct answer: C

66. When planning the loading or discharging of a VLCC (100,000 DWT+) what is the most important consideration?

- A. Rate of loading
- B. Rate of discharging
- C. Draft and trim
- D. Limits of the bending moments

Correct answer: D

67. Which of the following is the strongest of the natural fibers?

- A. Manila
- B. Hemp
- C. Sisal
- D. Cotton

Correct answer: A

68. In handling break bulk hazardous materials, it is forbidden to use \_\_\_\_\_.

- A. metal bale hooks
- B. cargo nets
- C. slings
- D. pallets

Correct answer: A

69. The Master must maintain the Oil Record Book on board for which duration?

- A. 1 month
- B. 12 months
- C. 24 months
- D. 36 months

Correct answer: D

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Illustrations: 2

70. Which agency must approve the safety equipment on board inspected vessels?

- A. The U.S. Coast Guard
- B. The Occupational Safety and Health Administration (OSHA)
- C. The Safety Standards Bureau
- D. The National Safety Council

Correct answer: A