

25. When a small craft's anchor fouls in a rocky bottom, how should the first attempt to clear it be made?

- (A) Increasing the scope and running slowly in a wide circle with the anchor line taut
- (B) Hauling vertically on the line
- (C) Reversing the angle and direction of pull, with moderate scope
- (D) Making the line fast to the bitt and bringing the vessel further forward

If choice C is selected set score to 1.

26. Which statement about bilge keels is CORRECT?

- (A) They are critical strength members and require careful design consideration.
- (B) They provide support when the vessel is dry docked.
- (C) They attach to a low stress area.
- (D) They increase resistance to rolling.

If choice D is selected set score to 1.

27. Paint and oil lockers on small passenger vessels must be constructed of or lined with which material?

- (A) Sheetrock, asbestos, or other material that retards the spread of fire
- (B) Marine plywood
- (C) Steel or equivalent material
- (D) Fiberglass

If choice C is selected set score to 1.

28. When must a small passenger vessel of not more than 65 feet in length must have a collision bulkhead?

- (A) If it is more than 40 feet in length and operates on partially exposed waters
- (B) When operates on exposed waters
- (C) If it carries more than 49 passengers
- (D) All of the above

If choice D is selected set score to 1.

29. 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.

30. On small passenger vessels, cooling water for the exhaust lines from an internal combustion engine must be which of the following?

- (A) Obtained from the engine's cooling water system or from a separate engine-driven pump
- (B) Flushed and changed periodically
- (C) Obtained from a fresh water storage tank or an expansion tank
- (D) Chemically treated to prevent corrosion

If choice A is selected set score to 1.

31. Individual wires, used in systems greater than 50 volts, shall meet which requirement?

- (A) The wire should be supported at 24 inch intervals with plastic tie wraps
- (B) The wires must be installed in conduit
- (C) The wires should never be located in a tank
- (D) All of the above

If choice B is selected set score to 1.

32. What is the basic principle of the magnetic compass?

- (A) Magnetic materials of the same polarity repel each other and those of opposite polarity attract.
- (B) The Earth's magnetic lines of force are parallel to the surface of the Earth.
- (C) Magnetic meridians connect points of equal magnetic variation.
- (D) The compass needle(s) will, when properly compensated, lie parallel to the isogonic lines of the Earth.

If choice A is selected set score to 1.

33. According to 46 CFR Subchapter T the definition of a ferry includes which vessels?

- (A) Vessels that have provisions only for deck passengers, vehicles, or both
- (B) Vessels that operate on a short run on a frequent schedule between two points over the most direct water route
- (C) Vessels that operate in other than ocean or coastwise service
- (D) All of the above

If choice D is selected set score to 1.

34. Who must you report a "T-Boat" accident resulting in loss of life, serious injury or more than \$25,000 property damage to?

- (A) The Maritime Administration (MARAD)
- (B) The owner or his insurance agent
- (C) The Coast Guard
- (D) All of the above

If choice C is selected set score to 1.

35. Which type of portable fire extinguishers is NOT designed for use on flammable liquid fires?

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

If choice B is selected set score to 1.

36. What must be mounted at a small passenger vessel's operating station for use by the Master and crew?

- (A) Instructions on artificial respiration
- (B) A tide table for the area
- (C) Emergency Instructions
- (D) The location of the first aid kit

If choice C is selected set score to 1.

37. When discharging a portable CO₂ fire extinguisher, why must you grasp the hose handle and NOT the discharge horn?

- (A) The horn could come off in your hands
- (B) The horn is placed directly in the flames
- (C) The discharge horn becomes extremely hot
- (D) The discharge horn becomes extremely cold

If choice D is selected set score to 1.

38. A snatch block would most likely be used as a _____.

- (A) topping lift
- (B) fairlead
- (C) boat fall
- (D) riding pawl

If choice B is selected set score to 1.

39. What is the stress on the hauling part when lifting a 4,200 lbs. weight using a threefold purchase rove to advantage? (Allow 10 percent of the weight per sheave for friction.)

- (A) 571.4
- (B) 715.2
- (C) 960.0
- (D) 1066.7

If choice C is selected set score to 1.

40. What is NOT an advantage of double bottom ships?

- (A) The tank top forms a second skin for the vessel.
- (B) They are less expensive to construct because of increased access space.
- (C) The center of gravity of a loaded bulk cargo ship may be raised to produce a more comfortable roll.
- (D) The floors and longitudinals distribute the upward push of the water on the ship's bottom.

If choice B is selected set score to 1.

41. Under which conditions can a small passenger vessel operating on exposed or partially protected waters have a port light below the weather deck?

- (A) Only if it is made of thick transparent plastic
- (B) Only if it opens and has a solid, inside, hinged cover
- (C) If it is sealed shut
- (D) Only if its sill is at least 30 inches above the deepest load waterline

If choice D is selected set score to 1.

42. Lead-acid batteries used aboard "T-Boats" must have which type of terminal connections?

- (A) Temporary type clamp
- (B) The spring slip style clamp
- (C) A permanent type clamp
- (D) Quick disconnect type clamp

If choice C is selected set score to 1.

43. What term indicates the outward curvature of the hull above the waterline?

- (A) Flare
- (B) Tumble home
- (C) Deadrise
- (D) Sheer

If choice A is selected set score to 1.

44. For a vessel inclined by the wind, multiplying the buoyant force by the horizontal distance between the lines of action of the buoyant and gravity forces gives which information?

- (A) The transverse moment
- (B) The vertical moment
- (C) The longitudinal moment
- (D) The righting moment

If choice D is selected set score to 1.

45. What are the quadrantal spheres used for?

- (A) To compensate for induced magnetism in vertical soft iron
- (B) To remove deviation on the cardinal compass headings
- (C) To remove deviation on the intercardinal headings
- (D) To remove heeling error

If choice C is selected set score to 1.

46. You are loading at port A, governed by the summer load line mark, for a voyage to port B, governed by the winter mark. The fresh water allowance is 10", and the hydrometer reads 1.020. Which statement is TRUE?

- (A) You may not load beyond the summer mark and must be at the winter mark upon arrival at port B.
- (B) You may not load beyond the summer mark plus 8 inches brackish water allowance.
- (C) You may not load beyond the winter mark except for 2 inches brackish water allowance.
- (D) You may load to the summer mark plus 2 inches if you will be at the winter mark when entering the winter zone.

If choice D is selected set score to 1.

47. The total weight of cargo, fuel, water, stores, passengers and crew, and their effects, that a ship can carry, is known as which term?

- (A) Gross tonnage
- (B) Deadweight
- (C) Loaded displacement
- (D) Bale cubic

If choice B is selected set score to 1.

48. According to the Lifesaving regulations in Subchapter W, fire and abandon ship drills must be held within 24 hours of leaving port if the percentage of the crew that has not participated in drills aboard that particular vessel in the prior month exceeds which percentage?

- (A) 5%
- (B) 10%
- (C) 25%
- (D) 40%

If choice C is selected set score to 1.

49. How much weight can you lift by applying 100 lbs. of force to a twofold purchase rigged to disadvantage (do not consider friction)?

- (A) 200 lbs.
- (B) 300 lbs.
- (C) 400 lbs.
- (D) 500 lbs.

If choice C is selected set score to 1.

50. According to Small Passenger Vessels Regulations, a vessel of less than 100 gross registered tons must be inspected by the Coast Guard when they carry more than how many passengers?

- (A) 12 passengers
- (B) 50 passengers
- (C) 6 passengers
- (D) 1 passenger

If choice C is selected set score to 1.