- 1. After a pontoon boat successfully completes a Quick Turn Test at 30 miles per hour,
 - a. The entry speed is reduced until the boat's performance is to the driver's satisfaction.
 - b. The test is complete.
 - c. The entry speed is decreased incrementally until the boat does not complete the test or does not complete the test at full throttle.
 - d. The entry speed is increased incrementally until the boat does not complete the test or successfully completes the test at full throttle.
- 2. Maximum outboard horsepower capacity for a 25 ft pontoon boat is determined by:
 - a. The formula in H-35.7.1 for outboard powered pontoon boats greater than 20 feet in length.
 - b. The formula in H-35.7.1 for outboard powered pontoon boats faster than 26 knots.
 - c. The formula in H-35.7.1 for sterndrive pontoon boats less than 26 feet in length.
 - d. The manufacturer.
- 3. When the maximum persons capacity is determined by using actual weights for a two tube pontoon boat,
 - a. The boat weight must be subtracted from the actual weights used.
 - b. The actual weights must be divided by the sum square root of the diameter of the tubes minus 3.35
 - c. It is recommended that lead shot be used.
 - d. 90% of the lesser of the maximum weights obtained from these tests shall be the maximum persons capacity.
- 4. A 23 ft sterndrive pontoon boat has two 27 in diameter tubes with a section length of 240 inches. Additionally, each nose cone is 6.5 cu ft. What is the <u>maximum</u> horsepower capacity?
 - a. 150 hp
 - b. 175 hp
 - c. 225 hp
 - d. None of the above

- 5. The Transverse stability test requirement includes:
 - a. Adding weight that is evenly distributed on the fore and aft centerline until the top of the pontoon on the port or starboard side becomes awash.
 - b. Adding weight that is distributed 1/4 of the total fore and 1/4 of the total aft on the lower deck in the extreme outboard position until the top of the pontoon on the loaded side becomes awash.
 - c. Adding weight that is evenly distributed fore and aft as far outboard as practical until the top of the pontoon on the loaded side becomes awash.
 - d. Subtracting the resultant maximum persons weight from the maximum weight capacity.
- 6. In a pontoon boat design that has an upper deck with railings and a means of access for passengers:
 - a. Stability tests are performed only on the lower deck.
 - b. Stability tests are performed on both upper and lower decks.
 - c. Stability tests are performed only on the upper deck.
 - d. Stability tests are performed on both lower and upper decks using the same weights for both tests.
- 7. Which of the following is a true statement?
 - a. Maneuvering speed is the highest speed at which the boat is capable of completing the Quick Turn Tests.
 - b. Maneuvering speed is the minimum speed at which the boat is capable of completing the Quick Turn Tests.
 - c. Maneuvering speed is the maximum speed at which the boat cannot complete the Quick Turn Test.
 - d. None of the above.
- 8. When preparing for a Persons Capacity Test, the weight for the motor, battery, and fuel:
 - a. Is placed as indicated in the applicable test procedure for an outboard, sterndrive, or inboard boat.
 - b. Is determined by calculating the submerged weight of propulsion system, battery, and fuel.
 - c. In sterndrive pontoon boats is derived from the ABYC S-30 Weight Table.
 - d. Is placed on the lower deck, evenly about a point on the centerline.

- 9. If a 40 mph twin-engine outboard pontoon boat does not successfully complete the Quick Turn Test at full throttle,
 - a. A horn must be installed.
 - b. The engine horsepower must be reduced until the boat passes the test.
 - c. A maneuvering speed warning label must be clearly visible to the operator.
 - d. A lookout must be posted.
- 10. What is the *maximum* horsepower capacity of an outboard powered pontoon boat with 19 ft. pontoons that have a diameter of 1.75 feet and a total of 60 cubic feet of volume in each of the two pontoons?
 - a. 100 horsepower
 - b. 110 horsepower
 - c. 115 horsepower
 - d. 125 horsepower
- 11. If a 24 ft pontoon boat with a top speed of 52 mph is offered with either a 250 hp outboard or twin 125 hp outboards, the boat must be tested for maneuvering speed with both the single and twin engine configurations.
 - a. True
 - b. False
- 12. When preparing for maneuvering speed testing,
 - a. The driver should wear a "Hans" device to protect from whiplash.
 - b. The driver must weigh less than 200 lbs.
 - c. May include no more than 200 lbs of ballast for trim.
 - d. Permanent fuel tanks must be full.
- 13. During the maneuvering speed test,
 - a. The maximum full throttle speed must be adjusted to its lowest setting.
 - b. The engine trim must be adjusted to excessive propeller ventilation.
 - c. The outboard engine must be installed at it highest vertical position.
 - d. Special equipment to protect the operator must be considered.

- 14. When you prep the boat for conducting the Quick Turn Testing:
 - a. The reconditioned propeller should be used.
 - b. The bottom of the boat must be waxed.
 - c. The engine(s) will be in like new condition.
 - d. The bimini top must be erected.
- 15. It was determined that a pontoon boat has a persons capacity of 1860 pounds. What is the maximum number of persons allowed?
 - a. 11 persons
 - b. 12 persons
 - c. 13 persons
 - d. 14 persons

16. When making preparations for the Quick Turn Test,

- a. A portable tank(s) may be substituted for a permanently installed fuel tank.
- b. One portable tank is filled for each engine.
- c. Portable tanks are filled to half capacity and are placed as far forward as practicable.
- d. Portable tanks are filled to half capacity and are placed as far aft as practicable.
- 17. If a pontoon boat, with permanently installed fuel tanks, is rated for 200 hp in either a twin or single engine configuration, what is the correct value for the "total weight" that must be subtracted from the maximum weight capacity to obtain persons capacity?
 - a. 504 lbs for twin engines
 - b. 644 lbs for a single engine
 - c. 802 lbs for a single engine
 - d. 1004 lbs for twin engines
- 18. A designated occupant position is a,
 - a. Space enclosed or defined by a railing
 - b. Space on a carpeted deck outside the confines of the railings.
 - c. Space on a carpeted deck within the confines of the railings.
 - d. Seat with a minimum width of 16 inches.

- 19. A "Quick Turn" is performed by:
 - a. Turning the steering wheel 180 degrees in both directions in one-half second or less, and held without changing throttle or trim settings through a 90 degree turn.
 - b. Turning the steering wheel 180 degrees in the direction of most resistance in onehalf second or less, and held without changing throttle or trim settings through a 90 degree turn.
 - c. Turning the steering wheel 180 degrees in the direction of least resistance in one second or less, and held without changing throttle or trim settings through a 90 degree turn.
 - d. Turning the steering wheel 180 degrees in the direction of least resistance in onehalf second or less, and held without changing throttle or trim settings through a 180 degree turn.
- 20. Which of the following statements is true?
 - a. When determining horsepower capacity the horsepower must be rounded down to the nearest 5 hp.
 - b. When determining persons capacity the number of persons can be rounded up to the nearest whole number
 - c. When determining the number of persons capacity, 32 must be added to the maximum weight capacity before dividing by 141
 - d. A copy of each safety label and its location should be considered for inclusion in the boat's owners manual.
- 21. The capacity label for a pontoon boat,
 - a. Has a contrasting orange background
 - b. State "U.S. Coast Guard MAXIMUM CAPACITIES" on the header
 - c. Must be clearly visible to the operator while getting underway
 - d. Must State the maximum horsepower for sterndrive boats.

For Questions 22-25

A triple tube outboard powered pontoon boat with identical tubes and a permanent fuel tank has the following measurements.

Pontoon diameter—27 inches Total pontoon length – 25 ft Boat weight – 2400 lbs Pontoon Section length – 22 ft Nose cone volume – 7 cu ft

- 22. What is its maximum horsepower rating?
 - a. 265 hp
 - b. 275 hp
 - c. 285 hp
 - d. 300 hp

23. What is the boats maximum combined weight capacity?

- a. 3650
- b. 3775
- c. 3850
- d. 3975

24. What is its maximum number of persons capacity?

- a. 21
- b. 22
- c. 23
- d. 24

25. What is the boats maximum persons weight capacity?

- a. 2995
- b. 3070
- c. 3215
- d. 3290