



SAFETY AND RESCUE BOAT HANDLING

EXAM A

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SAFETY AND RESCUE BOAT HANDLING EXAM

1. There are a total of 25 questions.
2. Each question is worth 4 points.
3. A score of 80% is required to pass.
4. There is a makeup exam available for those who do not pass.

<u>No. Missed</u>	=	<u>Score</u>
-1	=	96%
-2	=	92%
-3	=	88%
-4	=	84%
-5	=	80% - Passing Grade
-6	=	76% - Fail

(To compute failing grades, subtract the number of questions missed from 25, and then multiply remainder by 4.)

SAFETY AND RESCUE BOAT HANDLING – EXAM A

There are 25 Multiple Choice questions in this exam. Read each question carefully and select the best answer. There is one best answer for each question. Write all answers on your Answer Sheet.

DO NOT MARK ANY ANSWERS ON THIS EXAM.

1. What word is used to indicate an urgent message concerning the safety of a vessel or person on board that is not life threatening?
 - a. Pan-Pan
 - b. Securite
 - c. Mayday
 - d. Wilco

2. What is the basic concept for emergency and rescue situations?
 - a. liability considerations always come first
 - b. supervision first and rescue second
 - c. people first and equipment second
 - d. equipment first and people second

3. How should a safety-rescue boat make its approach to a capsized sailboat when performing a Mast Tip Lift rescue?
 - a. at a minimum idle speed from aft of the mast
 - b. at a minimum control speed forward of the mast
 - c. at a moderate idle speed to the centerboard tip
 - d. at a moderate safe speed parallel to the transom

4. Which of the following U.S. Coast Guard licenses has geographic limitations which may limit the operator within the locality of a club or facility?
 - a. 100-ton Captain License
 - b. OUPV License
 - c. Master License
 - d. Limited Masters License

5. When towing a boat astern, what may affect its positioning on the tow?
 - a. size and type of the towline being used
 - b. if the towline is attached to a bitt or bridle
 - c. transverse waves of the safety-rescue boat
 - d. experience level of people on the towed boat

6. If a distance between two points on a nautical chart measures 6.8 minutes on the latitude scale, what is its distance in nautical miles?
 - a. 0.68
 - b. 6.8
 - c. 68
 - d. 168

7. What does this hand signal indicate?
 - a. I'm okay
 - b. I need assistance
 - c. slow down
 - d. stop



8. What is a disadvantage of a windward approach to a drifting boat where a towline will be used?
 - a. is a risk of contact with misjudged approach.
 - b. is limited to lighter wind and sea condition.
 - c. has limited maneuverability during approach.
 - d. is difficult to perform if drifting boat has forward speed.

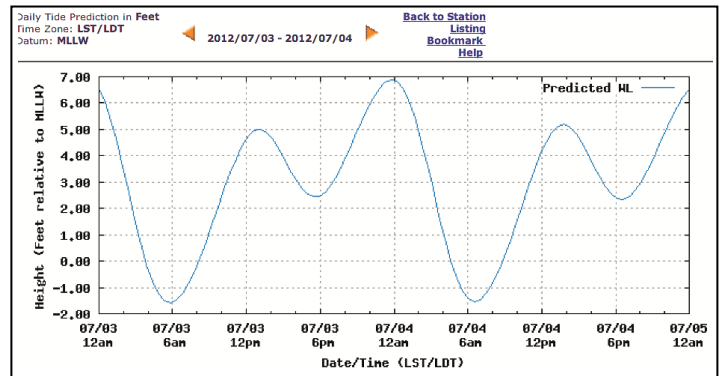
9. Which VHF radio channel(s) is (are) used for non-emergency communication with the U.S. Coast Guard?
- Channel 13
 - Channel 22A
 - Channels 24 through 28
 - Channel 70

10. In an assisted capsizing recovery of a turtled catamaran, where should the towline and/or righting line be attached to the catamaran and in what direction should it be pulled to bring the catamaran upright?
- at the center point of the after trampoline crossbar and pull forward on the catamaran.
 - at the bridle on the after crossbar and apply a towing load either forward or aft.
 - at the trampoline crossbar near the mast base and pull astern of the catamaran.
 - at the trampoline crossbar near the mast base and pull perpendicular to the hulls.

11. What is the definition of a visibility measurement (V)?
- the maximum distance at which a person or object can be spotted
 - the minimum distance at which a person or object can be spotted
 - the maximum visibility distance of the horizon at the time of the search
 - the minimum visibility distance of the horizon at the time of the search

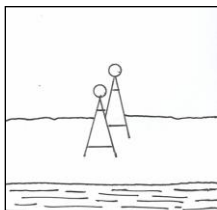
12. How should a safety-rescue boat make its final approach during a person in the water (PIW) rescue?
- stern first with the wind and waves on the stern
 - bow first and perpendicular to wind and waves
 - stern first and headed into the wind and waves
 - bow first and headed into the wind and waves

13. What is (are) the predicted height(s) of low tide (water) on July 3rd on the tide prediction graph (below)?
- only minus 1.6 feet
 - two at minus 1.6 feet
 - minus 1.6 feet and plus 2.4 feet
 - plus 2.4 feet, plus 2.3 feet and two at minus 1.6 feet



14. What is the Procedure Word (PROWORD) used to indicate the end of a transmission and no response is desired or required?
- Out
 - Over
 - Roger
 - Standby
15. What is the depth of the water at low tide (water) if the predicted height of low tide (water) is minus 1 foot, the tide range is 6 feet, and the water depth on the chart at the location is 3 feet?
- minus 1 foot
 - plus 2 feet
 - plus 3 feet
 - plus 4 feet
16. Which towing method is most suitable for maneuvering a boat in a confined area or alongside a dock?
- double-line tow
 - herringbone tow
 - alongside tow
 - wishbone tow

17. What is the definition of *latitude*?
- a measurement that is taken north or south from the equator
 - a magnetic distance measured north or south from the equator
 - a measurement east or west of the Greenwich Observatory
 - a magnetic direction east or west of the Greenwich Observatory
18. What is an essential element for conducting a search pattern?
- able to operate at high speed.
 - determine speed with a knotmeter.
 - have at least one mile of visibility.
 - establish a datum for the search.
19. If a safety-rescue boat sees a capsized sailboat, what should its first action be?
- deploy an emergency flare and make a Mayday distress call on the VHF radio.
 - stay clear of the boat until a head count is done and all sailors are accounted for.
 - immediately proceed to the capsized boat at high speed and tie alongside it.
 - proceed to the capsized boat and immediately start to perform a rescue of it.
20. If a safety-rescue boat is inbound on a range and the range appears as shown in the diagram (below) where the near marker is to the left of the far marker, what action should be taken to line up the range?
- turn left toward the direction of the near marker.
 - maintain a steady course to close the opening range.
 - steer a course slightly to starboard of the far marker.
 - turn right away from the direction of the near marker.



25. What are the latitude and longitude of the plotted position on the chart below?
- 42 degrees 0.7 minutes North and 73 degrees 0.0 minutes West
 - 73 degrees 0.0 minutes North and 42 degrees 0.7 minutes West
 - 41 degrees 11.7 minutes North and 71 degrees 32.0 minutes West
 - 71 degrees 32.0 minutes North and 41 degrees 11.7 minutes West

