

# 2018 AREA ELEVEN NJROTC SAIL ACADEMY PRE-TEST

(TO BE COMPLETED BEFORE CHECKING INTO SAIL ACADEMY)

NAME: \_\_\_\_\_ SCHOOL: \_\_\_\_\_

- | Record each answer below<br>and also at each question                     |   |
|---|---|
|   | A    B    C    D  |
| 1. The _____ is the forward part of the boat                              | 1. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| a) bow  | 2. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| b) starboard  | 3. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| c) stern  | 4. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| d) cleat  | 5. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| 2. To turn a sailboat, a tiller is moved                                  | 6. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| a) by the swing buckle  | 7. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| b) in the same direction that you want to turn the boat                   | 8. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| c) in the opposite direction that you want to turn the boat               | 9. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>  |
| d) independently of the rudder  | 10. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| 3. The three corners of a sail are  | 11. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| a) head, tack and foot  | 12. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| b) head, tack and clew  | 13. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| c) luff, tack and clew  | 14. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| d) leach, luff and foot   | 15. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| 4. The shrouds  | 16. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| a) are part of the running rigging and support the tiller                 | 17. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| b) support the jib  | 18. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| c) are part of the standing rigging and support the mast                  | 19. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| d) are no longer needed on most modern sail boats                         | 20. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> |
| 5. The purpose of the rudder is to  |   |
| a) provide power in light winds   |   |
| b) steer the boat   |   |
| c) provide a handle for the tiller  |   |
| d) prevent leeway   |   |
| 6. The AREA OF NO PROPULSION is   |   |
| a) the area directly in front of the boat regardless of the relative wind |   |
| b) an area to be avoided while under sail                                 |   |
| c) OK to sail in provided you hold a steady course.                       |   |
| d) an area that must be turned through when tacking.                      |   |
7. Which crew member or members need to be aware at all times of the boats heading and the direction of the wind.
- a) Only the bowman who is observing other boat traffic and obstacles.
  - b) Only the tactician who is responsible for proper course/speed/etc.
  - c) Both the helmsman who is steering the boat and the bowman.
  - d) Every crew member regardless of their duties.

8. Sheets are used to
- a) cover the cushions in the cabin for comfortable sleeping
  - b) hold the mast in place
  - c) position the main sail luff
  - d) control the forward or athwartships position of a sail
9. Common knots used by NJROTC SAIL ACADEMY crews include
- a) bowline, sheet bend, figure eight and granny
  - b) cleat hitch, bowline, figure eight and clove hitch
  - c) sheet bend, figure eight, bowline and cleat hitch
  - d) granny, clove hitch, bowline and harbor knot
10. The three primary points of sail are
- a) beating, close reach and broad reach
  - b) close reach, reach and broad reach
  - c) close hauled, beam reach and run
  - d) beat, drift, and angle
11. To avoid getting into “IRONS” make sure that
- a) you are sailing in calm seas
  - b) the wind is coming from astern
  - c) you are moving fast enough when turning a boat through the AREA OF NO PROPULSION
  - d) you never come into contact with another boat while under sail
12. When sailing on a broad reach, the primary force propelling the boat is
- a) the engine if it's running
  - b) lift generated on the lee side of the sails
  - c) push from the wind on the windward side of the sails
  - d) about equal push/pull forces on both sides of the sails
13. The two most basic sailing maneuvers are
- a) Heading Up and Falling Off
  - b) Tacking and Jibbing
  - c) Closes Hauled and Running
  - d) both a. and b.
14. You are sailing with the boom to port and the wind coming from the starboard side of the boat. You are on
- a) a run headed dead downwind
  - b) a port tack
  - c) a starboard tack
  - d) a lunch break
15. Excessive Weather Helm can be relieved by
- a) easing the main sheet
  - b) easing the jib sheet
  - c) easing the jib halyard
  - d) both a. & b. are correct

16. Which device or devices can give you wind direction information
- a. mast head fly
  - b. jib leach cords
  - c. shroud tell tales
  - d. both a. and c. are correct
17. The acronym (PB&J) indicates what to Sail Academy Crews
- a) what's for lunch
  - b) Position, Boom, Jib
  - c) Point of Sail, Boom Position, Jib Position
  - d) none of the above
18. The fastest and safest point of sail is
- a) Close Hauled
  - b) Running wing and wing
  - c) Close Reach
  - d) Beam Reach
19. When Jibing the \_\_\_\_\_ of the boat is turned through the wind
- a) port side of the boat
  - b) bow
  - c) stern
  - d) boom and main sail
20. With sails properly trimmed, Weather Helm is most prevalent on which point of sail
- a) Run (dead down wind)
  - b) Beam reach
  - c) Close hauled
  - d) Broad reach