



CRUISING INSTRUCTOR REVIEW QUESTIONS

These questions are based on the knowledge and skills of an instructor who teaches Keelboat Cruising Courses aboard 23' to 45'sloop-rigged cruising monohull keelboats with auxiliary power, cruising sails, and wheel or tiller steering.

1. **In the northern hemisphere, the Tradewinds blow from the**
 - a. North
 - b. East
 - c. South
 - d. West

2. **Which is an example of a stockless anchor?**
 - a. bruce
 - b. plow
 - c. mushroom
 - d. all of the above

3. **A zinc on the prop shaft is used to**
 - a. balance the propeller
 - b. inhibit barnacle growth
 - c. minimize damage caused by galvanic corrosion
 - d. electrically ground the engine

4. **Raw water cooling water pumps on engines are usually**
 - a. centrifugal
 - b. diaphragm
 - c. induction
 - d. impeller

5. **Radio communication can be compromised if**
 - a. battery power is low
 - b. the antenna cable is kinked
 - c. electrical contacts are corroded together
 - d. all of the above

6. **A fiddle block**
 - a. is a fairlead with two sheaves
 - b. is a double cheek block
 - c. has two sheaves side by side
 - d. has two sheaves within the same two cheeks

7. **Differential GPS**

- a. makes GPS compatible with Loran
 - b. can be used anywhere in the world
 - c. uses non-degraded signals
 - d. receives radio signals from a land station
8. **If a knotmeter suddenly reads “0.0” while underway, first suspect**
- a. fouled impeller
 - b. a battery failure
 - c. a blown fuse
 - d. reversed polarity
9. **If a diesel burns 3/4 of a gallon an hour at a cruising speed of 6 knots, what is a realistically safe cruising range to rely on with a 30 gallon tank?**
- a. 240 miles
 - b. 120 miles
 - c. 200 miles
 - d. 280 miles
10. **Spinnakers are most commonly made of**
- a. nylon
 - b. dacron
 - c. mylar
 - d. acrilan
11. **The vertical clearance of a bridge listed on a chart is measured from**
- a. mean low water
 - b. water level
 - c. mean high water
 - d. charted depth
12. **Without electronics, the best way to tell depth is by**
- a. tide tables
 - b. lead line
 - c. the chart
 - d. taking bearings
13. **A drogue is**
- a. used to reduce lee helm
 - b. used to prevent broaching
 - c. used to prevent sinking
 - d. empty ballast tanks
14. **“Student First, Instructor Second” means**
- a. to let the student do something then correct the technique
 - b. to invite the students to ask questions
 - c. to consider the students’ needs before the instructor’s
 - d. to be courteous to students
15. **Plastics may not be disposed of overboard**
- a. within 3 miles of shore

- b. within 12 miles of shore
 - c. within 200 miles of shore
 - d. anywhere in the ocean
16. **A bilge sump primarily**
- a. collects water from sinks and showers
 - b. provides a low point for bilge pumps
 - c. are the locations for fresh water valve manifolds
 - d. all of the above
17. **How long should a spring line be?**
- a. Half the length of the boat
 - b. At least 10 feet longer than the length of the boat
 - c. 20 feet
 - d. 30 feet
18. **A rolling hitch is a good knot for**
- a. tying a reef line to a boom
 - b. securing a rode to an anchor chain
 - c. taking strain off another line
 - d. sail ties
19. **An initial alternative to reefing is**
- a. luffing the main
 - b. using the engine
 - c. dropping the jib
 - d. running before the wind
20. **Which of the following must be done when reefing**
- a. release the outhaul
 - b. release the vang
 - c. release the backstay
 - d. Release the main toppinglift
21. **What is not likely to keep someone from falling overboard**
- a. wearing shoes
 - b. holding onto the boom
 - c. moving forward on the weather side
 - d. holding on the pedestal guard
22. **A Life Sling is a device to**
- a. assist in lifting a person out of the water
 - b. retrieve a person in the water
 - c. provide flotation
 - d. all of the above
23. **At night, a barge being towed astern must display**
- a. red and green sidelights only
 - b. a white sternlight only

- c. sidelights and a sternlight
 - d. one all-round white light
24. **If your vessel is underway in fog and you hear one prolonged and three short blasts, there is a**
- a. vessel not under command
 - b. sailing vessel
 - c. vessel being towed (manned)
 - d. vessel being towed (unmanned)
25. **You see a vessel's green sidelight bearing due east from you. The vessel might be heading**
- a. East
 - b. Northeast
 - c. Northwest
 - d. Southwest
26. **A vessel approaching your vessel from 235 degrees relative is in what type of situation?**
- a. meeting
 - b. overtaking
 - c. crossing
 - d. passing
27. **According to the Navigation Rules, you may depart from the Rules when**
- a. no vessels are in sight visually
 - b. no vessels are visible on radar
 - c. you are in immediate danger
 - d. out of sight of land
28. **The righting arm of a boat is**
- a. an outrigger
 - b. a factor of stability
 - c. an aid for steeping the mast
 - d. a lever for raising the centerboard
29. **At summer solstice, the sun is**
- a. closest to the earth
 - b. over the equator
 - c. farthest north
 - d. hottest
30. **Manual bilge pumps are commonly**
- a. centrifugal
 - b. diaphragm

- c. induction
- d. impeller

31. **Fluorescent light fixtures may**
- a. use more power than incandescent for the light generated
 - b. interfere with electronics
 - c. only operate on AC power
 - d. require special ventilation
32. **A hand held VHF does not normally transmit as far because**
- a. it has a smaller microphone
 - b. it has a 6 volt battery
 - c. its antenna is close to the water
 - d. it has less gain
33. **An emergency tiller should be expected to**
- a. only allow steerage while being towed
 - b. only allow steerage while under power
 - c. only work in conjunction with the wheel
 - d. be used at sea for days or weeks
34. **A fathometer measures depth from**
- a. the surface
 - b. the bottom of the keel
 - c. the transducer
 - d. all of the above
35. **Outboard fuel tanks should only**
- a. be made of plastic
 - b. be stored in ventilated lockers
 - c. be filled when empty
 - d. all of the above
36. **A hole in the diesel exhaust system can**
- a. increase fuel use
 - b. fill the cabin with deadly gas
 - c. stall the engine
 - d. cause overheating
37. **Asymmetrical spinnakers are best for**
- a. reaching
 - b. fractional rigs
 - c. running
 - d. boats with large crews
38. **A lead line can be used to**
- a. sample the bottom composition
 - b. incline a boat
 - c. tell where the ballast keel starts

- d. adjust the jib sheet car
- 39. **Buoyancy tanks are used to**
 - a. prevent swamping
 - b. adjust trim to the design waterline
 - c. prevent sinking
 - d. empty ballast tanks
- 40. **The Tropic of Cancer is**
 - a. 23.5° North
 - b. 23.5° South
 - c. 27.5° North
 - d. 27.5° South
- 41. **A fly is another name for a**
 - a. bad spinnaker take down
 - b. wind indicator
 - c. relative bearing
 - d. flag halyard
- 42. **A sail tie is also sometimes called a**
 - a. gasket
 - b. telltale
 - c. kicking strap
 - d. sail bag tie
- 43. **Laid line is another term for**
 - a. three strand line
 - b. braided line
 - c. anchor rode
 - d. flaked line
- 44. **What keeps a rudder from being turned too far?**
 - a. the stops
 - b. the idlers
 - c. the hounds
 - d. the brake
- 45. **A becket is**
 - a. a primary attachment point on a block
 - b. a secondary attachment point on a block
 - c. a separator on a double block
 - d. a plate for attaching a cheek block
- 46. **A possible distracter to a students' learning is**
 - a. the student not wearing sunglasses
 - b. the VHF radio being on
 - c. the instructor has on a dirty, torn t-shirt
 - d. all of the above

47. **What is the first thing to do with new students?**
- give them a tour of the boat they will be sailing
 - review safety measures
 - introduce yourself
 - all of the above
48. **Students making minor mistakes is**
- a sign of poor teaching
 - dangerous
 - normal
 - all of the above
49. **Failure to understand the course or intention of an approaching vessel should be indicated by**
- one short blast
 - one prolonged blast
 - not less than five short blasts
 - not less than five prolonged blasts
50. **If two sailing vessels are running free with the wind on the same side, which one must keep clear of the other?**
- The one with the wind closest abeam
 - The one with the wind closest astern
 - The one to leeward
 - The one to windward
51. **A sailing vessel which is also propelled by machinery shall show during daylight hours a**
- black diamond
 - black cone
 - black ball
 - basket
52. **What lights are shown by a vessel restricted in her ability to maneuver to indicate that the vessel is making way?**
- masthead lights, sidelights and sternlight
 - masthead lights and sidelights only
 - sidelights and sternlight only
 - sidelights only
53. **The term “restricted visibility” as used in the Rules refers**
- only to fog
 - only to visibility of less than one-half of a mile
 - to visibility where you cannot see shore
 - to any condition where visibility is restricted

54. **You are proceeding up a channel at night. It is marked by a range which bears 185° T. You steady up on a compass course of 180° with the range in line dead ahead. This indicates that you(r)**
- a. must come right to get to the range
 - b. course is in error
 - c. compass has some easterly error
 - d. are being affected by a southerly current
55. **At 0000 you fix your position and plot a new DR track line. At 0200 you again fix your position and it is 0.5 mile east of your DR. Which statement is *true*?**
- a. The current is westerly at 00.5 knot
 - b. You must increase speed to compensate for the current
 - c. The current cannot be determined
 - d. The drift is 0.25 knot
56. **A mid-channel buoy, if lighted, will show a**
- a. fixed red light
 - b. Morse (A) white light
 - c. green light
 - d. flashing red light
57. **The National Ocean Service publishes the**
- a. Light Lists
 - b. Coast Pilots
 - c. pilot charts
 - d. Sailing Directions
58. **The depth of water on a chart is indicated as 23 meters. This is equal to**
- a. 11.5 fathoms
 - b. 12.6 fathoms
 - c. 69.0 feet
 - d. 78.6 feet