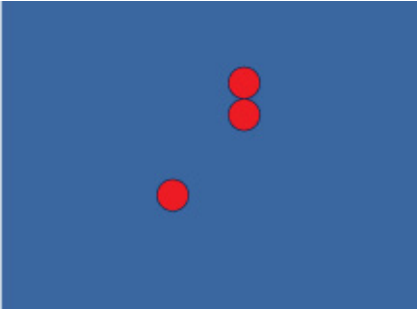


SELF TEST QUESTIONS

Q1



(Referring to the above image)

- What is this vessel?
- What sound signal would it make in restricted visibility, and how often?
- What other sorts of vessels would make the same signal?

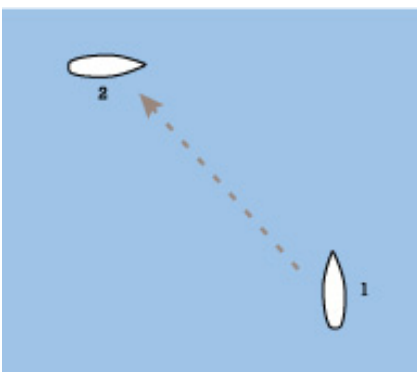
Q2

You are completely lost in thick fog after one of your crew tipped and spilled a bowl of steaming mulligatawny soup over the GPS. Sadly, it also soaked you Rule of the Road book, which has now become completely illegible, despite a gently appealing aroma of curry.

Somewhere in the impenetrable mists ahead of you, you hear:
3 distinct rings on a bell, 5 seconds ringing on a bell, 3 distinct rings on a bell.

- What is it?
- How often would you expect the signal to be repeated?
- Is the noise generated at the bow or the stern of the vessel?

Q3

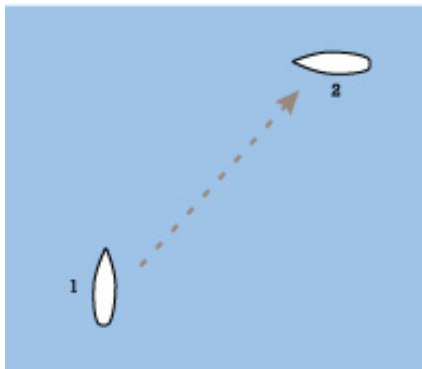


The above image shows:

- you in a power driven pleasure craft.
- power driven canoe on a duck-hunting expedition. It is making way, and on a steady bearing.

- a. Which is the give-way vessel?
- b. In what way is the give-way vessel most likely to alter?
- c. What sound signal must the give-way vessel make as he makes this alteration (assuming that the vessels are in sight of each other)?

Q4



The above image shows:

1 - you in a power driven vessel.

2 - sailing boat which is motor-sailing, making way, and on a steady bearing.

Both vessels are in sight of each other.

- a. Which is the give-way vessel?
- b. What shape should the other vessel be showing?
- c. What must the stand-on vessel do initially?
- d. At what stage **may** it take action to avoid a collision?
- e. When **must** it act?

Q5

You decide to go for a career change and throw in your multi-million pound banking job in the City to become a trawler man. You buy an old North Sea trawler, called the "WHITE ELEPHANT", which leaks like a sieve and is 62 metres long. Some weeks later, you pluck up the courage to go out for your first day's fishing.

- a. What shape must you show when trawling by day?
- b. It gets dark: you are making your way and engaged in trawling. What lights do you show?
- c. You come across a vessel towing that is not showing Restricted in Ability to Manoeuvre shapes: should you keep out of his way, or vice versa?

You are a passenger on a small ferry crossing the Chesapeake Bay on a dark and stormy night. Suddenly there is a loud bang, and you look up to see that everyone on the bridge has been stunned by an explosion on the steering control box. The ferry is careering all over the place. On investigation you discover that you are the only person onboard with any knowledge of Rule of the Road.

- a. What lights should you show, and why?
- b. If it was daytime, what shapes would you be hoisting?
- c. To compound your problems, the chief engineer arrives on the bridge and says that the main engines have stopped: should you adjust your lights or not?

Q7

You come across a vessel with this flag hoist:

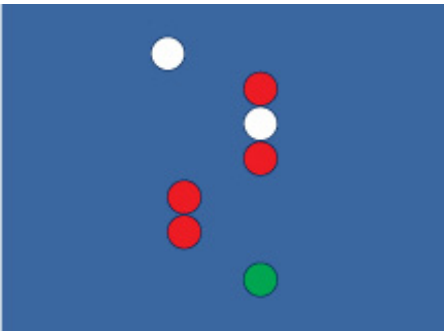


- a. What are the flags?
- b. What is it trying to tell you?
- c. Are there any other flag/shapes which would convey the same message?
- d. Name the two sound signals which would mean the same?

Q8

You are sailing down the Solent on a sunny afternoon when you see, approaching from the south-east at high speed, a merchant ship with a cylinder hoisted in its rigging. The crew think that this hoist means that there is a pilot embarked.

- a. Are they right?
- b. If not, what does it mean?
- c. Can you impose your right of way as a sailing vessel?
- d. What should you do?



(Referring to the above image)

- a. What is it?
- b. Which side should you pass?
- c. Other than 'not very good looking', what would this look like by day?

Q10

You are in a small motor boat in fog, eyes glued to the radar set. On the radar screen, you see a contact closing on a steady bearing from a relative bearing 45° on the starboard bow. Its range is now 2 miles.

- a. What should you do?
- b. What manoeuvring sound signal should you make?
- c. What reaction would you expect from the other vessel?

Q11

You have just picked up your new sailing boat 'LAME DUCK' from a second-hand car salesman in Dover and you decide to go to France for an afternoon of wine and seafood, crossing the Dover Straits separation scheme in the process. She is 15 metres in length. It is a clear day, but the wind is not strong enough to sail, so you are forced to rely on your totally unreliable 1950s lawn mower engine for propulsion.

- a. You meet the separation lane traffic flow from your port beam: should you give way or stand on?
- b. A short while after, you meet the traffic flow from your starboard beam. Should you give way or stand on?
- c. In the separation zone, between the two lanes, you come across a trawler. Is it fishing legally, according to the rules? Could it fish in the lanes themselves?

Q12

- a. What lights does a pilot vessel show when under way?
- b. What shapes does it show by day?
- c. What sound signal is made by a pilot vessel under way?

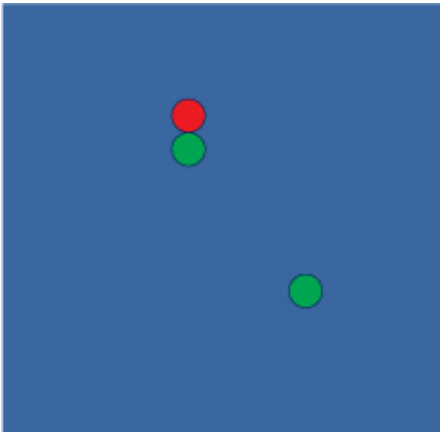
Q13

5

You are sailing your antique second-hand boat 'LAME DUCK' back from an abortive trip to France after one of your crew found that he was allergic to mussels. The wind is fair, and you are able to give your motor a rest. You are well clear of the separation schemes.

- a. You encounter a vessel engaged in fishing: who has right of way?
- b. Your crew is keen to anchor for lunch south of the Isle of Wight in order to relish the decomposing cheese that you bought in the supermarket. What shape should you hoist?
- c. Your anchor starts dragging: are you technically under way, or made fast?

Q14



(Referring to the above image)

- a. What is this?
- b. Is the engine being used?
- c. You are in a motor boat and you come across this guy at night on a steady bearing, one mile away and 30° on your port bow. What should you do?

Q15

Discovering a magic turn of speed in your trawler 'WHITE ELEPHANT', you decide to waste no time returning to harbour to put the total day's catch on the market. Two fish. On the way, you find that you overhauled your great rival, Hal Ibut, in his brand new vessel just as you enter the channel to your home port. Visibility is good, but unfortunately your VHF set is broken.

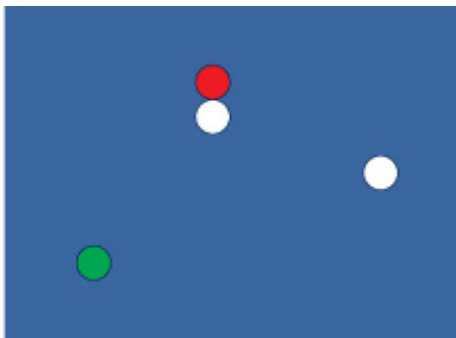
- a. You want to overtake him by passing down his starboard side. How could you signal that?
- b. He is happy. What is his reply?
- c. So you decide to overtake. Just as you are pulling abeam of him, Hal alters course hard to starboard to avoid his Scottish crewman, Mac Arel, who has fallen overboard after drinking too much whisky. Who is responsible for collision avoidance?

Q16

You are in a sailing boat, with the wind from right astern. Your boom is out on the starboard side.

- You are going so fast that you overtake a powerboat who, in turning round to admire your breath-taking turn of speed, swerves towards you. Who is responsible for keeping clear?
- Your heartbeat is beginning to recover when you meet another sailing boat on a steady bearing close hauled, approaching you on the starboard tack. Who has to give way?
- No sooner has he passed, than a second sailing vessel approaches you on the close-hauled port tack with a cone, apex downwards in the rigging. Who gives way now?

Q17



(Referring to the above image)

- Tell me all you can about this vessel
- Can you safely pass on any side?
- By day, what two shapes would it carry?

Q18



(Referring to the above image)

- What is this?
- What can you say about its length?
- Is its bow to the right or the left?

Q19

7

You are appointed to command the tugboat 'INCAPABLE', 57 metres long and, despite the fact that she is 75 years old, she is your first command and you are proud of her. You are contracted to tow a consignment of coals to Newcastle. You are not restricted in your ability to manoeuvre.

- a. You decide to measure the length of the tow: where do you measure it from and to?
- b. The length is 206m. What shapes do you show?
- c. What lights do you need at night?

Q20

You are still master of the antique 57-metre tug 'INCAPABLE', towing the load of coals to Newcastle. Your tow is 206 metres in length. You are not restricted in your ability to manoeuvre.

- a. In restricted visibility, what sound signal would you make, and how often?
- b. What signal would the final vessel in the tow make, and how often?

Q21

- a. What signals does a vessel constrained by its draught make in restricted visibility?
- b. Can a sailing vessel be constrained by its draught?
- c. What lights does a vessel constrained by its draught show by night?
- d. What shape does it display by day?

Q22

You are navigating a narrow channel in the Norwegian Fjords. You are in a large power driven bulk carrier with a cargo of high quality aquavit that would go aground (and cheer up the locals immensely) if it left the channel.

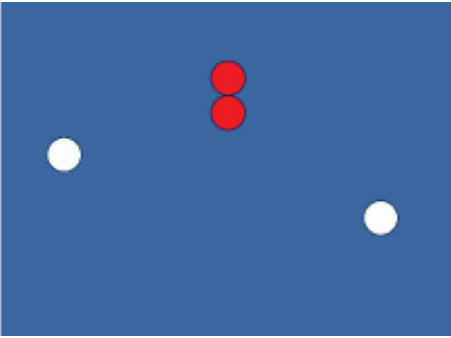
- a. Which side of the channel should you keep as a matter of course?
- b. A vessel approaches from your starboard bow, crossing the channel. It is nearly on a steady bearing. Should you alter to avoid it?
- c. You approach a blind corner. What signal do you make? If there is anyone the other side of the corner, how would he reply?

Q23

- a. When should navigation lights be shown (3 occasions)?
- b. What lights in general should a yacht's tender show when propelled by oars?

Name the 6 categories of 'Restricted in Ability to Manoeuvre'.

Q25



(Referring to the above image)

- a. Do you envy the skipper? If so, why?
- b. Which is its forward end?
- c. What sound signal would he make in fog?

Q26

- a. Is 'Not Under Command' a distress signal?
- b. What shapes should a diving boat show if it cannot sensibly display RAM shapes?
- c. What shapes are shown by a vessel aground?

Q27

- a. What lights will a vessel show when pushing ahead?
- b. What will the vessels being pushed ahead show?
- c. Is there any difference if they are pushed ahead or towed alongside?

Q28

- a. Where do the rules apply?
- b. Can they be modified locally?
- c. What is the definition of 'a short blast'?
- d. What is the definition of a 'prolonged blast'?

Q29

You are entering Baltimore Harbour in your 120-foot superyacht. It is a beautiful sunny day. The paparazzi are out in force, admiring your filmstar looks and those of your partner. There are boats everywhere.

- a. You have to turn to port: what manoeuvring signal do you make?
- b. One of the paparazzi boats makes 3 short blasts: what does this mean?
- c. You are worried that someone is getting in your way. Is there a sound signal you can make to tell him to keep clear?

Q30

You are in a small motor boat without radar and the fog is so thick that you have just lost your coffee mug in the cockpit.

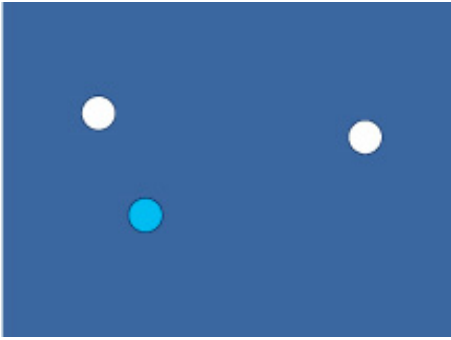
- a. You hear a fog signal (- . .) from forward of the beam. What could it be?
- b. Do you have to accord it any special priority?
- c. You are under way, making way. What signal do you make, and how often?

Q31

- a. Sketch a northerly cardinal buoy, including colours, topmark and light characteristics.
- b. Which side must you pass it?
- c. Do the same for a westerly cardinal buoy.
- d. And an easterly cardinal.

Q32

- a. What is the difference between 'under way' and 'making way'?
- b. What lights does a non-displacement vessel show when under way?
- c. What lights would you expect to see from a police boat?



(Referring to the above image)

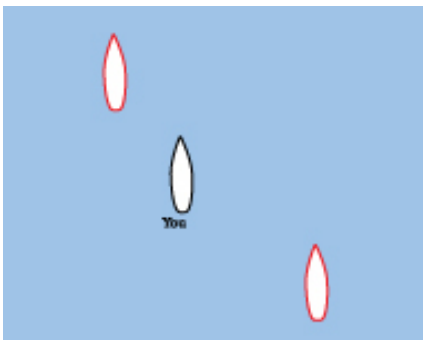
- a. What is it?
- b. How long is it?
- c. If it is approaching you on a steady bearing from your port bow in open water, what do you do?

Q34

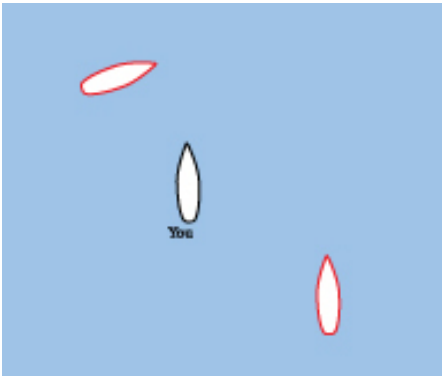
- a. From what relative bearing is an approaching vessel considered to be overtaking?
- b. Over what arcs do the sidelights shine?
- c. Are you authorised to set off distress flares to celebrate your great aunt's good fortune in winning the National Lottery?

Q35

You are in a power driven vessel in good visibility, proceeding along a busy shipping lane. You find that you are steadily overtaking a vessel on your port bow, at a range of about half a mile. On your starboard quarter there is a third vessel, which is not overtaking, but making about the same course and speed as you, about three quarters of a mile distant:

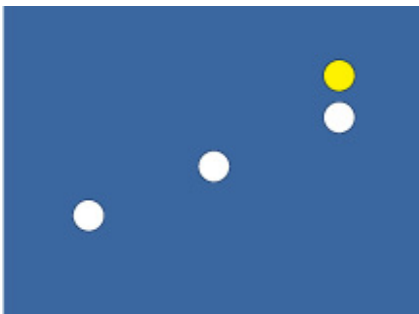


Suddenly, the vessel on your port bow swerves 75° to starboard:



What should you do?

Q36



(Referring to the above image)

- a. What is it?
- b. What would you hear in fog?

Q37

You are 10 miles offshore on a coastal passage by night in good visibility.

You see, some way from you, a single white light. Name 3 things that it could be?

Q38

You are in fog (again). After a long night on the helm you get your head down, leaving the morning watch to your father-in-law, a retired naval stoker who has recently become a little hard of hearing. Twenty seconds after you drop off, he comes below and gives you a shake, saying that he has heard a fog signal out there. When asked what it was, he says he couldn't say exactly, but it was one of 3 possible signals. Namely:

- a. (.....)
- b. (-...)
- c. (.....)

What could the vessel be, and at what interval should each signal be sounded?

- a. What is the difference in the lights shown by a vessel aground and a vessel not under command, not making way?
- b. What is the difference between a cone apex up and a cone apex down?
- c. Name 2 things that show a shape consisting of 2 cones, apex together.

Q40

In Europe, you are entering harbour (with the flood stream). You see a green buoy.

- a. Which side do you leave it?
- b. What shape is it likely to be?
- c. What numbers will it carry: odd or even?
- d. If you were in the United States, which side would you leave it, would it be odd or even numbered, and what shape would it be?

Q41

You own a powerboat and decide to go on holiday down the coast with another family in their boat. Two days into the trip, the other boat reports a major engine problem and asks you to tow him back to your home marina.

- a. With the tow hitched up, what lights and shapes should you display?
- b. If this is impractical, what lights may you display?
- c. How many drinks does he owe you when you get home?

Q42

- a. In US waters, when entering harbour, do you keep the green buoys to port or starboard?
- b. How will you know in the US that you are proceeding from the International COLREGs to the Internal Waters Rules?
- c. What does a safe water mark look like?

Q43

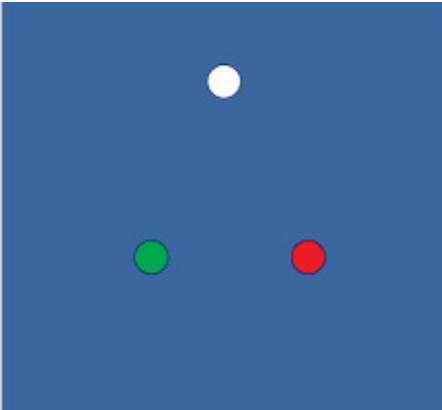
It is thick fog and you are motoring along, keeping an eye on your radar. On the screen there is a vessel approaching you from your starboard quarter – on a steady bearing at green 160. ‘No need to alter,’ says Dumbo the mate, ‘he is the overtaking vessel.’

- a. Is he right?
- b. If not, what should you do?

- c. The debate continues. Eventually, the other vessel emerges from the mist at half a mile's range. What should you do now?

13

Q44



(Referring to the above image)

- a. What is it?
- b. How long is it?
- c. Tough question: is there any way it could be longer than this?

Q45

- a. Can you be arrested for infractions of the rules?
- b. Are you allowed to proceed down a separation lane the wrong way?
- c. Are you allowed to anchor in a narrow channel or fairway?
- d. Are you allowed to fish in a narrow channel or fairway?

Q46

- a. How close to a mine countermeasures vessel can you go?
- b. What lights would it show by night (assuming that it is less than 50 metres in length and engaged in mine clearance operations under way)?
- c. What are the corresponding shapes by day?

Q47

- a. What is the colour scheme of an isolated danger buoy, including topmarks, lights and shape?
- b. Who must a seaplane give way to (when on the water)?
- c. Should you show anchor lights in your yacht when you have picked up a buoy?

Q48

- a. Name the 2 sorts of shape that you require on a sailing boat.
- b. When would you use each one?
- c. Which is the least embarrassing vessel to run aground in: an 11-metre yacht or a 15-metre yacht?

Q49

- a. What is the difference between a vessel towing with one additional masthead light, and a vessel towing with two additional masthead lights?
- b. What additional lights would a lifeboat show?
- c. What signal can a vessel at anchor make if it is concerned whether another vessel has seen it?

Q50

Spell out the 'hierarchy rule'.