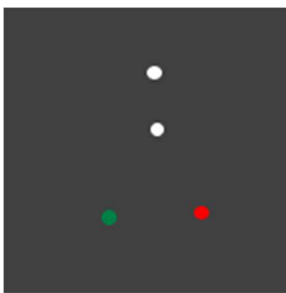


## Axe Yacht Club

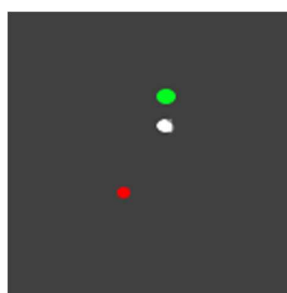
### RYA Yachtmaster Shorebased Course

#### IRPCS Revision Questions

- 1) What type of vessel is represented by the following lights. Give details of type, length or probable length, aspect, vessel activity (e.g. underway) or special circumstances (e.g. restricted ability to manoeuvre).



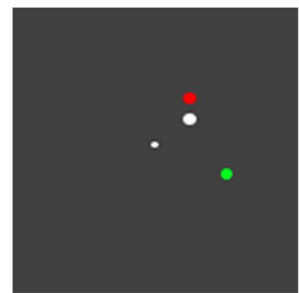
(a)



(b)



(c)



(d)

- 2) What lights may be used by a 5m inflatable dinghy with an outboard motor at night?
- If it cannot do more than 5 knots through the water?
  - If it can do 10 knots through the water?
- 3) At what nominal range would you expect to be able to see the following lights displayed by a vessel less than 50m in length?
- Masthead lights
  - Sidelight
  - Anchor light
- 4) Vessels in which special circumstances are represented by the following shapes?

(a)



(b)



(c)

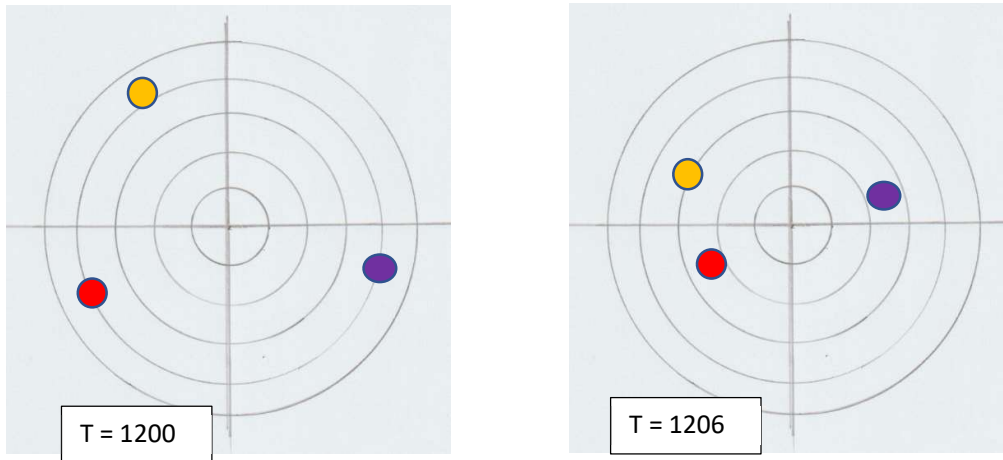


(d)



- 5) What do the rules say about “give way” and “stand on” boats in restricted visibility?
- 6) Whilst proceeding up a river, a vessel approaching from astern sounds two long blasts followed by two short blasts on its horn.

- a) What does this signal mean?
  - b) What signal would you make in reply?
- 7) In restricted visibility:
- a) What is the sound signal you would make on a yacht underway under sail?
  - b) What is the sound signal you would make on a yacht making way under power?
- 8) Traffic Separation Schemes:
- a) A vessel wishes to join one of the lanes of a TSS somewhere along its length. How should it do so?
  - b) If crossing a lane, what should be the heading of the vessel?
- 9) These are pictures of a radar screen taken 6 minutes apart. The screen is producing a "head up" display.



- a) Which contact is on a collision course with you?
  - b) Which contact will pass ahead of you?
  - c) Give two possible ways in which the orange contact is moving?
- 10) In each of these situations, where danger of collision is deemed to exist, say which is the "stand on" vessel and which the "give way" vessel under the rules:
- a) A yacht under sail is approaching the stern of a power-driven vessel ahead of it.
  - b) At night, a power-driven vessel sees a single red light ahead and to starboard.
  - c) A power-driven vessel has a ship on its port bow showing the day shape, ball over diamond over ball.
- 11) Consider the vessels A, B, C, D and E in the diagram below. The five vessels have clear sight of each other and, various dangers of collision exist.
- a) Identify the type of each vessel and any special circumstances that exist (e.g. Not Under Command).
  - b) Detail what each vessel should consider and its best possible course of action as either a stand-on or give-way vessel.

