

Demo PDF file. This file includes questions: 10 from 322. Full version of file looks the same as demo, but full version includes all questions. You may download file with all questions by link on bottom of this page

Q210 - Deck Safety

1. When is firefighting foam most effective?

- When it is kept saturated with low-velocity water fog
- As it mixes with the burning fuel oil
- **When it completely covers the top of the burning liquid**
- If it penetrates to the bottom of the fire

Note:

Foam extinguishes flammable liquid fires by forming a complete surface layer that excludes oxygen and suppresses vapors; therefore, it is most effective when it fully covers the burning liquid.

2. What is the function of wearing rings found on some centrifugal pumps?

- Absorb erosion of high-velocity discharge stream
- Seal pump shaft against entry of air
- **Isolate the outlet side from the inlet side**
- Dampen the turbulent discharge flow

Note:

Wearing rings in centrifugal pumps isolate the high-pressure discharge side from the low-pressure suction side, minimizing internal leakage and maintaining pump efficiency. They are replaceable components designed to limit flow between these pressure zones, unlike shaft seals or flow dampeners.

3. Which is the MOST important consideration for a tank vessel?

- GM
- The longitudinal center of gravity
- The vertical center of gravity
- **The stress on the hull**

Note:

Maintaining hull girder stress within safe limits is the primary concern for tank vessels, as structural failure is catastrophic even with acceptable stability parameters like GM, LCG, and VCG; therefore, stress on the hull is the most important consideration.

4. When supplemented by a comparable signal on the general alarm, what is the signal for boat stations or boat drill?

- **More than six short blasts followed by one long blast of the whistle**
- One long blast followed by three short blasts of the whistle
- A continuous blast of the whistle for a period of not less than 10 seconds
- Three short blasts of the whistle

Note:

The signal for boat stations or a boat drill, when accompanied by a similar signal on the general alarm, is more than six short blasts followed by one long blast of the whistle, as defined by SOLAS.

5. Which of the following conditions represents the appropriate time for setting off distress flares and rockets?

- Immediately upon abandoning the vessel.
- At half-hour intervals.
- At one-hour intervals.
- **Only when there is a chance of them being seen by rescue vessels.**

Note:

Distress flares and rockets should be deployed only when there is a reasonable chance of observation by potential rescuers to conserve limited resources and maximize effectiveness.

6. All of the following are recognized distress signals under the Navigation Rules EXCEPT which signal?

- Red flares
- Orange-colored smoke
- **A green star signal**
- The repeated raising and lowering of outstretched arms

Note:

A green star signal is not a recognized distress signal under the Navigation Rules; red flares, orange-colored smoke, and the repeated raising and lowering of outstretched arms are all recognized signals as defined in Annex IV.

7. When a vessel signals its distress by means of a gun or other explosive signal, the firing should be at approximately which time intervals?

- 1 hour
- **1 minute**
- 10 minutes
- 3 minutes

Note:

The Navigation Rules specify that distress signals using a gun or explosive should be fired at intervals of approximately one minute to ensure distinctness and prompt recognition as an emergency.

8. How can you indicate that your vessel is in distress?

- Displaying a large red flag
- Displaying three black balls in a vertical line
- **Continuously sounding the fog whistle**
- Sounding five or more short and rapid blasts on the whistle

Note:

A continuous sounding of fog-signalling apparatus is a recognized distress signal according to Navigation Rules Annex IV. Other options are incorrect: a red flag is not a distress signal, three black balls indicate a vessel aground, and five rapid blasts signal danger or doubt.

9. Each distress signal and self-activated smoke signal must be replaced not later than the marked date of expiration, or not more than how many months from the date of manufacture?

- 30 months
- 36 months
- **42 months**
- 48 months

Note:

Distress and self-activating smoke signals must be replaced no later than their expiration date or within 42 months of the date of manufacture, whichever is earlier.

10. A fire in a pile of dunnage would be classified as a _____.

- **class "A"**
- class "B"
- class "C"
- class "D"

Note:

Dunnage, typically wood, is an ordinary combustible material and therefore classified as a Class A fire, which involves wood, paper, textiles, and rubbish.
