

**Demo PDF file. This file includes questions: 10 from 326. 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**

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## Q201 - 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.*

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### 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.*

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### 3. What prevents water running along the shaft of a leaking centrifugal pump from entering the shaft bearing?

- Shaft seal
- Lantern ring
- Drain hole
- **Water flinger**

Note:

*Water flingers are discs on the pump shaft designed to deflect leaking water away from the shaft bearings, preventing it from entering. This physical deflection is the mechanism that protects the bearing from water leakage.*

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### 4. Under normal operating conditions, the rudder is hydraulically locked unless which situation occurs?

- The variable stroke pump is off stroke
- **A rudder order is given by the control system**
- An electric power system failure occurs at the steering gear
- The manual trick wheel is engaged for steering

Note:

*The rudder is hydraulically locked under normal operation unless a rudder order is issued by the control system, which releases the hydraulic pressure and allows movement.*

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**5. When the helm is turned on the navigation bridge, which of the listed actions will be the FIRST response in the steering room on a ship equipped with an electro-hydraulic steering gear?**

- The pumps go to full stroke.
- The six-way valve aligns itself with the running pump.
- Both port and starboard cables are energized.
- **The synchronous receiver turns, duplicating the helm motion.**

Note:

*The initial response in the steering gear room of a ship with an electro-hydraulic steering system is the synchronous receiver turning to match the helm motion on the bridge.*

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**6. 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.*

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**7. The AMVER system for vessels in the Gulf of Mexico is administered by which organization?**

- **U.S. Coast Guard**
- Minerals Management Service
- Corps of Engineers
- Department of Energy

Note:

*The U.S. Coast Guard administers the AMVER system, a global voluntary ship-reporting system that supports maritime search and rescue, including vessels in the Gulf of Mexico. Other agencies listed have unrelated responsibilities.*

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**8. While reading the muster list you see that "3 short blasts on the whistle and three short rings on the general alarm" is the signal for \_\_\_\_\_.**

- **dismissal from fire and emergency stations**
- abandon ship
- man overboard
- fire and emergency

Note:

*The signal "three short blasts on the whistle and three short rings on the general alarm" indicates dismissal from fire and emergency stations, as defined in standard muster lists.*

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**9. 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.*

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**10. 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.*

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