

Demo PDF file. This file includes questions: 10 from 117. 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

Q425 - Navigation General: Western Rivers

1. A magnetic compass card is marked in how many degrees?

- 90
- 180
- **360**
- 400

Note:

A magnetic compass card represents a full circle, which is measured in 360 degrees. Therefore, the correct answer is 360.

2. As a vessel changes course to starboard, which is TRUE concerning the compass card in a magnetic compass?

- The card also turns to starboard
- It first turns to starboard then counterclockwise to port
- The card turns counterclockwise to port
- **The card remains aligned with compass north**

Note:

The magnetic compass card remains aligned with magnetic north as the vessel changes course; the ship rotates around the card.

3. What does the lubber's line on a magnetic compass indicate?

- **The vessel's compass heading**
- Compass north
- Magnetic north
- A relative bearing taken with an azimuth circle

Note:

The lubber's line is a fixed reference mark on a magnetic compass that indicates the vessel's compass heading, aligning with the ship's centerline and showing the direction the bow is pointing on the compass card.

4. Which would influence a magnetic compass?

- Radio
- Iron pipe
- Electrical wiring
- **All of the above**

Note:

Radio equipment, iron pipes, and electrical wiring all generate or interact with magnetic fields, which can disrupt a magnetic compass; therefore, all listed items influence a compass.

5. When is a lookout permitted to leave his station?

- 15 minutes before the end of the watch
- **Only when properly relieved**
- At the end of the watch
- At any time

Note:

A lookout may only leave their station when properly relieved to ensure continuous watch coverage as mandated by Navigation Rules Rule 5, which requires a proper lookout at all times.

6. When must a proper look-out be kept?

- Only when entering and leaving port
- Only in fog
- Only between the hours of sunset and sunrise
- **At all times**

Note:

Rule 5 of the Navigation Rules mandates a proper look-out be kept at all times, regardless of visibility or location.

7. What does the abbreviation L.W.R.P. on the navigation maps mean?

- Least water river plane
- Low winter runoff point
- **Low water reference plane**
- Land wall reference point

Note:

L.W.R.P. on navigation charts represents the Low Water Reference Plane, a fixed vertical datum used to measure water depths and clearances. This datum is not related to seasonal conditions, physical structures, or river hydrology; it serves as a baseline for chart measurements.

8. According to Buys Ballot's law, when an observer in the Northern Hemisphere experiences a northwest wind, where is the center of low pressure located?

- **Northeast of the observer**
- Northwest of the observer
- South-southeast of the observer
- West-southwest of the observer

Note:

According to Buys Ballot's law in the Northern Hemisphere, a northwest wind indicates the low-pressure center is located northeast of the observer; this is because facing the wind's direction (southeast) places the low-pressure center to the observer's left.

9. Which action should be taken prior to assuming the Deck Watch while the vessel is in port?

- **Ensure that the vessel's moorings are adequate**
- Make a security call on VHF channel 16
- Visually inspect and test operation of the blue mooring light
- Ensure that all crew members are onboard

Note:

The primary responsibility before assuming the deck watch in port is to verify the adequacy of the vessel's moorings to ensure its safety and security alongside.

10. What is an advantage of the magnetic compass aboard vessels?

- **It is reliable due to its essential simplicity.**
- All points on the compass rose are readily visible.
- Compass error is negligible at or near the earth's magnetic poles.
- It does not have to be checked as often.

Note:

A magnetic compass's reliability stems from its simple mechanical design, minimizing potential points of failure.
