

Demo PDF file. This file includes questions: 10 from 212. 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

Q388 - Navigation General: Rivers

1. 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.

2. 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.

3. What will act to dissipate fog?

- Advection of warm air over a colder surface
- **Downslope motion of an air mass along a coast**
- Rain that is warmer than air
- Upwelling cold water

Note:

Downslope motion warms air adiabatically, decreasing relative humidity and causing fog to evaporate.

4. Advection fog is most commonly caused by _____.

- **warm moist air being blown over a colder surface**
- saturation of cold air by rain
- air being warmed above the dew point
- a rapid cooling of the air near the surface of the Earth at night

Note:

Advection fog occurs when warm, moist air moves horizontally over a colder surface, cooling the air to its dew point and causing condensation. This process, defined by the term 'advection,' distinguishes it from fog formed by rain saturation, warming above the dew point, or nighttime radiational cooling.

5. Which agency maintains federal aids to navigation?

- Corps of Engineers
- Maritime Administration
- National Ocean Service
- **Coast Guard**

Note:

The U.S. Coast Guard maintains federal aids to navigation; this responsibility is defined by regulations and distinguishes it from agencies focused on navigation projects, maritime commerce, or hydrographic surveys.

6. Which agency publishes the Light Lists?

- Oceanographic Office
- National Ocean Service
- Army Corps of Engineers
- **United States Coast Guard**

Note:

The United States Coast Guard publishes the Light Lists as the federal agency responsible for U.S. aids to navigation.

7. How are aids to navigation marking the intracoastal waterway (ICW) identified?

- The light characteristic and color for lighted aids
- White retro-reflective material
- The letters ICW after the aid's number or letter
- **Yellow bands, squares, or triangles marked on them**

Note:

Intracoastal Waterway (ICW) aids are identified by yellow bands, squares, or triangles marked on them, distinguishing them from standard lateral marks.

8. Which is a characteristic of anticyclones?

- High winds and cloudiness
- Overcast skies
- **Dry, fair weather**
- Gustiness and continuous precipitation

Note:

Anticyclones are high-pressure systems characterized by sinking air, which inhibits cloud formation and precipitation, resulting in dry, fair weather.

9. What should you apply to a fathometer reading to determine the depth of water?

- Subtract the sea water correction.
- Add the sea water correction.
- Subtract the draft of the vessel.
- **Add the draft of the vessel.**

Note:

A fathometer measures depth below the transducer, which is typically the keel. To determine the total water depth, add the vessel's draft, the vertical distance from the waterline to the keel, to the fathometer reading.

10. You are approaching a drawbridge and must pass through during a scheduled closure period. What signal should you sound?

- Three prolonged blasts
- Three short blasts, two prolonged blasts
- Two prolonged, two short blasts
- **Five short blasts**

Note:

To pass through a drawbridge during a scheduled closure, sound five short, rapid blasts to signal danger and gain immediate attention, as per Inland Navigation Rule 34(d).
