

**Demo PDF file. This file includes questions: 10 from 217. 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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## **Q382 - 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.*

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### **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.*

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### **3. When adjusting a magnetic compass for error, which is TRUE concerning the deviation table?**

- Construct the deviation table before the quadrantal correctors are placed on the compass
- Construct the deviation table after correcting for variation
- **Construct the table after adjusting the fore-and-aft permanent magnets**
- Construct the deviation table before correcting for any deviation

Note:

*The deviation table is created after adjusting the fore-and-aft permanent magnets to accurately record the remaining deviation after mechanical adjustments.*

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### **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.*

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## 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.*

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## 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.*

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## 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.*

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## 8. When is an air mass termed "warm"?

- If it originated in a high-pressure area
- **If the ground over which it moves is cooler than the air**
- If it originated in a low-pressure area
- If the mass is above 70°F

Note:

*An air mass is classified as warm when its temperature is higher than that of the surface it traverses, a distinction based on relative temperature rather than origin or absolute temperature.*

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## 9. Which is TRUE of an alternating light?

- It is used as a replacement for another light
- It shows a light with varying lengths of the lighted period
- It marks an alternate lesser used channel
- **It shows a light that changes color**

Note:

*An alternating light is defined as a light that displays different colors in a regular sequence. Therefore, the correct answer is that it shows a light that changes color.*

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**10. Aneroid barometers are usually calibrated to indicate atmospheric pressure in which units?**

- Inches of mercury and centimeters
- **Inches of mercury and millibars**
- Inches of mercury and millimeters
- Feet of mercury and millibars

Note:

*Aneroid barometers on ships are typically calibrated to display atmospheric pressure in inches of mercury and millibars.*

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