

U.S.C.G. Merchant Marine Exam
Limited Operator Uninspected Passenger Vessels
Q361 Navigation General
(Sample Examination)

Choose the best answer to the following Multiple-Choice Questions.

1. Which would influence a magnetic compass?

- A. Iron pipe
- B. Electrical wiring
- C. Radio
- D. All of the above

Correct answer: D

2. What is the basic principle of the magnetic compass?

- A. The Earth's magnetic lines of force are parallel to the surface of the Earth.
- B. Magnetic meridians connect points of equal magnetic variation.
- C. Magnetic materials of the same polarity repel each other and those of opposite polarity attract.
- D. The compass needle(s) will, when properly compensated, lie parallel to the isogonic lines of the Earth.

Correct answer: C

3. Weather information provided by the National Weather Service (NWS) advisories should be used along with which other source of information?

- A. The Tide Tables and Tidal Current Tables
- B. The local Notice to Mariners
- C. Weather maps and local knowledge
- D. Any U.S. Coast Pilot

Correct answer: C

4. What benefit is a weather bulletin to a mariner?

- A. It allows the mariner to make long term weather forecasts.
- B. It gives the mariner time to prepare for weather changes.
- C. It is of little benefit since the weather changes frequently and rapidly.
- D. It provides a legal reason to cancel a projected voyage.

Correct answer: B

5. Which term is given to a tornado that moves out over the water from land?

- A. A waterspout
- B. A hurricane
- C. A tornado
- D. A cyclone

Correct answer: A

6. Which are associated with Cumulonimbus clouds?

- A. Clear skies with the approach of a cold front
- B. Dense fog and high humidity
- C. A rapid drop in barometric pressure followed by darkness
- D. Gusty winds, thunder, rain or hail, and lightning

Correct answer: D

7. From which type of cloud can a tornado or waterspout develop?

- A. Nimbostratus
- B. Altostratus
- C. Cumulonimbus
- D. Cirrus

Correct answer: C

8. Fog generally clears when the _____.

- A. temperature increases
- B. wind direction changes
- C. wind speed increases
- D. All of the above

Correct answer: D

9. Which is TRUE as the temperature of the air reaches the dew point?

- A. Water freezes
- B. It begins to snow
- C. Fog may form
- D. Rain must develop

Correct answer: C

10. As a high-pressure system approaches, which is TRUE concerning the barometer reading?

- A. The reading falls
- B. The reading rises
- C. The reading falls rapidly
- D. The reading stays the same

Correct answer: B

11. What is the standard atmospheric pressure as measured in inches of mercury?

- A. 29.92
- B. 500.0
- C. 760.0
- D. 1013.2

Correct answer: A

12. Which defines the height of tide?

- A. The difference between the depth of the water and the area's tidal datum
- B. The difference between the depth of the water at high tide and the depth of the water at low tide
- C. The depth of water at a specific time due to tidal effect
- D. The difference between the depth of the water and the high-water tidal level

Correct answer: A

13. Which term defines the difference between the heights of low and high tide?

- A. Tidal depth
- B. Tidal range
- C. Tidal Period
- D. Tidal Distance

Correct answer: B

14. Which refers to the period at high or low tide during which there is no change in the height of the water?

- A. Stand of the tide
- B. Plane of the tide
- C. Range of the tide
- D. Reversing of the tide

Correct answer: A

15. When considering currents, which defines the term set?

- A. It is the direction towards which it flows
- B. It is the direction from which it flows
- C. It is the velocity in knots
- D. It is the estimated current

Correct answer: A

16. Which term refers to the direction a current is flowing?

- A. Vector direction
- B. Drift
- C. Stand
- D. Set

Correct answer: D

17. What does a white buoy with an orange circle marked on it indicate?

- A. A mooring buoy
- B. Vessels are excluded from the area
- C. Operating restrictions are in effect
- D. Danger

Correct answer: C

18. Which topmark shown in illustration D023NG below identifies an isolated danger?

- A. A
- B. B
- C. C
- D. D

Correct answer: B

19. Which buoy may be even numbered?

- A. Mid-channel buoy
- B. Lighted green buoy
- C. Unlighted nun buoy
- D. All of the above

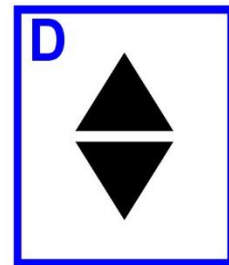
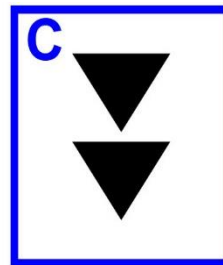
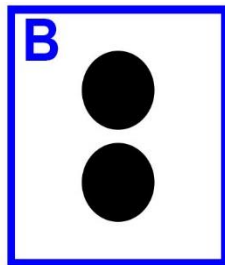
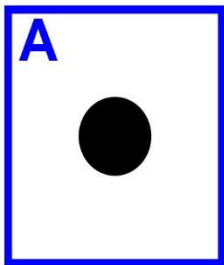
Correct answer: C

20. When entering from seaward, what does a buoy displaying a single-flashing red light indicate?

- A. A sharp turn in the channel to the right
- B. The starboard side of the channel
- C. A junction with the preferred channel to the left
- D. A wreck to be left on the vessel's port side

Correct answer: B

D023NG



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