

## U.S.C.G. Merchant Marine Exam

Mate Less than 500-1600 Gross Registered Tons

Q393 Chart Plot - Mississippi River

(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

1. The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List.

AHP = Above Head of Passes  
LMR = Lower Mississippi River  
UMR = Upper Mississippi River  
OHR = Ohio River  
ACOE = Army Corps of Engineers

On 21 September, you are making up your tow at the fleeting area in Cairo, IL (mile 980.6 Ohio River). You get underway at 0952 enroute to New Orleans with a mixed tow.

You are turning for 7.8 mph and estimate the current at 1.0 mph. What is your speed over the ground?

- (A) 7.8 mph
- (B) 6.8 mph
- (C) 7.9 mph
- (D) 8.8 mph

*If choice D is selected set score to 1.*

2. What is your ETA at the Memphis Highway Bridge?

- (A) 1813, 22 Sept
- (B) 1052, 22 Sept
- (C) 1405, 22 Sept
- (D) 0828, 22 Sept

*If choice B is selected set score to 1.*

3. What daymark should you see as you approach Parker Landing Light (mile 924.6 AHP)?

- (A) Green diamond
- (B) Green square
- (C) Green triangle
- (D) Red and green rectangle

*If choice A is selected set score to 1.*

4. You pass Morrison Towhead Light (mile 890.5 AHP) at 1723. What was your average speed since leaving Cairo?
- (A) 7.5 mph
  - (B) 8.8 mph
  - (C) 8.5 mph
  - (D) 7.8 mph

*If choice C is selected set score to 1.*

5. At 1723 you increase speed to make good 9.2 mph. At 1937 you have a daymark on your port beam. What daymark is this?
- (A) Merriwether Bend Light and Daymark
  - (B) Tiptonville Light
  - (C) Alaska Light and Daymark
  - (D) Tiptonville Ferry Landing Daymark

*If choice A is selected set score to 1.*

6. The charts show a circle with two black quadrants located at mile 846.0 AHP. What does this indicate?
- (A) Betz-Tipton Veneers Terminal
  - (B) River Gage
  - (C) Bulletin Board
  - (D) Hazardous chemical dock

*If choice B is selected set score to 1.*

7. The Helena Gage reads 9.4 feet. The high point on your towboat is 46 feet above water. What is the vertical clearance when you pass under the Helena Highway Bridge?
- (A) 106.1 feet
  - (B) 64.2 feet
  - (C) 56.0 feet
  - (D) 79.5 feet

*If choice B is selected set score to 1.*

8. What company does NOT have a marine facility along the river bank in Helena (mile 658 to 665 AHP)?
- (A) Helena Grain Co.
  - (B) Arkansas Power & Light Co.
  - (C) Texas Eastern Pipeline Co.
  - (D) Helena Port Terminal, Inc.

*If choice A is selected set score to 1.*

- 9.** If the Rosedale Gage reads -0.5 feet, what is the water level if the low water reference plane for Rosedale is 3.0 feet?
- (A) 0.5 foot below the plane
  - (B) 2.5 feet above the plane
  - (C) 3.5 feet below the plane
  - (D) 0.5 foot above the plane

*If choice C is selected set score to 1.*

- 10.** Which of the following describes the river at Cypress Bend, mile 569.0 AHP?
- (A) There is dredge spoil on both banks.
  - (B) There is a turning basin located on the LDB.
  - (C) There are revetments on both banks.
  - (D) The river is three tenths of a mile wide.

*If choice D is selected set score to 1.*