

U.S.C.G. Merchant Marine Exam

Deck Officer Endorsements

Q373 Navigation Problems - 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) 7.9 mph
- (C) 8.8 mph
- (D) 6.8 mph

If choice C is selected set score to 1.

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

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

If choice C is selected set score to 1.

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

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

If choice D 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) 7.8 mph
 - (B) 7.5 mph
 - (C) 8.8 mph
 - (D) 8.5 mph

If choice D 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) Alaska Light and Daymark
 - (B) Merriwether Bend Light and Daymark
 - (C) Tiptonville Light
 - (D) Tiptonville Ferry Landing Daymark

If choice B is selected set score to 1.

6. The map shows a circle with two black quadrants located at mile 846.4 AHP. What does this indicate?
- (A) A river gage
 - (B) A culvert with a sluice gate
 - (C) A bulletin Board
 - (D) The grain elevator at Bunge Grain

If choice A 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) 64.2 feet
 - (B) 79.5 feet
 - (C) 56.0 feet
 - (D) 106.1 feet

If choice A is selected set score to 1.

8. Which company does NOT have a marine facility along the river bank in Helena (mile 658 to 665 AHP)?
- (A) Helena Marine Services, Inc.
 - (B) Texas Eastern Pipeline Co.
 - (C) Helena Grain Co.
 - (D) Riceland Food Corps

If choice C is selected set score to 1.

9. If the Rosedale Gage reads -0.5 feet, what is the water level in relation to the low water reference plane? The low water reference plane (LWRP) for Rosedale, MS. is 3.0 feet.

- (A) 3.5 foot below the plane
- (B) 0.5 feet below the plane
- (C) 2.5 foot above the plane
- (D) 0.5 feet above the plane

If choice A is selected set score to 1.

10. Which light characteristics does Catfish Point Lower Light (mile 572.2 AHP) have?

- (A) 2 red flashes every 5 seconds
- (B) 2 white flashes every 5 seconds
- (C) 5 red flashes every 2 seconds
- (D) 3 red flashes every 5 seconds

If choice A is selected set score to 1.