

U.S.C.G. Merchant Marine Exam
Mate Less than 500-1600 Gross Registered Tons
Q393 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 3 January, you get underway from Morganza, LA, (mile 278.3 AHP) enroute to the Eagle Marine Docks, LDB, in St. Louis.

What is the length of the trip?

- (A) 726.0 miles
- (B) 851.9 miles
- (C) 879.6 miles
- (D) 878.9 miles

If choice B is selected set score to 1.

2. What are the dimensions of the Old River Lock on the Lower Old River (mile 304 AHP)?

- (A) 1202 x 84 feet
- (B) 1195 x 75 feet
- (C) 1200 x 75 feet
- (D) 1190 x 75 feet

If choice D is selected set score to 1.

3. At 2126, you pass Morganza Bend Light (mile 278.4 AHP). At 0122, 4 January, you pass Red River Landing Gage (302.4 AHP). You have been turning for 7.5 mph. What is the current?

- (A) 1.4 mph
- (B) 1.8 mph
- (C) 6.2 mph
- (D) 2.7 mph

If choice A is selected set score to 1.

4. The Gage at Red River Landing reads 22.2 feet. The LWRP for Red River is 10.6 feet. What is the water level in relation to the low water reference plane?
- (A) 32.8 ft below
 - (B) 11.6 ft below
 - (C) 11.6 ft above
 - (D) 32.8 ft above

If choice C is selected set score to 1.

5. The river will be temporarily closed to navigation at mile 531.3 AHP due to repairs to the bridge. This will occur at 1300, 5 January, and last for six hours. What minimum speed over the ground must you make from Red River Landing Gage in order not to be delayed?
- (A) 7.3 mph
 - (B) 6.8 mph
 - (C) 6.0 mph
 - (D) 6.4 mph

If choice D is selected set score to 1.

6. Which type of daymark will you see as you approach Joe Pierce Light (mile 335.4 AHP)?
- (A) Red Triangle
 - (B) Red square
 - (C) Red diamond
 - (D) Private aid - no daymark

If choice A is selected set score to 1.

7. What is the vertical clearance of the Natchez-Vidalia Highway Bridge (westbound) when the river level is the same as the Low Water Reference Plane (6.5 feet)?
- (A) 102.2 ft
 - (B) 119.5 ft
 - (C) 108.3 ft
 - (D) 125.6 ft

If choice B is selected set score to 1.

8. The Natchez Gage reads 20.6 feet. The high point on your towboat is 47 feet above the water. What is the vertical clearance as you pass under the Natchez Highway Bridge?

- (A) 58.4 feet
- (B) 72.5 feet
- (C) 78.6 feet
- (D) 64.1 feet

If choice A is selected set score to 1.

9. In order to determine what buoys, if any, are in place at Concordia Bar crossing (mile 596.0 AHP), what should you check?

- (A) Local Notice to Mariners
- (B) Bulletin Board at the Rosedale Gage
- (C) Waterways Journal
- (D) Light List

If choice A is selected set score to 1.

10. The area between Island 67 Upper Light (mile 623.1 AHP) and Sunflower Cut-off Foot Light (mile 624.8 AHP) is known as a _____.

- (A) transit
- (B) chute
- (C) crossing
- (D) slough

If choice C is selected set score to 1.