

U.S.C.G. Merchant Marine Exam  
Master Less than 100 Gross Registered Tons  
Q403 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

At 1707, on 23 May, you get underway from mile 234.2 AHP enroute to Louisville, KY. (mile 612.6 OHR).

What is the length of the trip?

- (A) 1334.6 miles
- (B) 1332.2 miles
- (C) 1566.4 miles
- (D) 1088.5 miles

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

2. After you get underway, what is the first river gage you will pass?

- (A) Bayou Sara
- (B) Red River Landing
- (C) Baton Rouge
- (D) Head of Passes

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

3. The Red River Landing Gage reads 5.2 feet. The low water reference plane (LWRP) for Red River is 10.6 feet. Which of the following statements is TRUE?

- (A) The depth over revetment at Old River is 25.2 ft.
- (B) The depth over Old River Lock sill is greater than 11 ft.
- (C) River level is below the Low Water Reference Plane.
- (D) This gage reading is at a higher elevation than the same reading on the Gage at Head of Passes.

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

4. At 0922, on 24 May, you are abreast the St. Catherine Bar Lt. (mile 348.6 AHP). If you are turning for 8.0 mph, what is the current?
- (A) 1.0 mph
  - (B) 7.0 mph
  - (C) 1.4 mph
  - (D) 2.0 mph

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

5. What daymark will you see as you approach Warnicott Bar Lt. (mile 351.3 AHP)?
- (A) Red diamond
  - (B) Green square
  - (C) Red triangle
  - (D) White square

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

6. You pass Warnicott Bar Lt. at 1146, 24 May. What is your ETA off the Mhoon Landing Gage if you average 6.5 mph?
- (A) 0426, 26 May
  - (B) 1528, 26 May
  - (C) 0909, 27 May
  - (D) 0152, 26 May

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

7. What town is located at mile 389.8 AHP?
- (A) St. James
  - (B) Whitehall
  - (C) Rodney
  - (D) Belmont

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

8. The circle with black and white quadrants located at mile 435.6 AHP is a \_\_\_\_\_.
- (A) Daymark
  - (B) River Gage
  - (C) Electrical Tower
  - (D) Information Board

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

9. The Greenville Gage reads 10.6 feet. The high point of your towboat is 54 feet above water. What is the vertical clearance as you pass under the Greenville Highway Bridge?
- (A) 44.4 feet
  - (B) 65.4 feet
  - (C) 54.2 feet
  - (D) 75.4 feet

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

10. The locations of locks and dams can be found in the \_\_\_\_\_.

- (A) Light List
- (B) Army Corps. of Engineers maps
- (C) Local Notice to Mariners
- (D) Channel Report

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