

U.S.C.G. Merchant Marine Exam
Master Less than 100 Gross Registered Tons
Q403 Chart – 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 16 October, you depart the mooring facility at mile 233.5 AHP with six loaded tank barges enroute to a dock in Herculaneum, MO (mile 153.4 UMR). Your engines are making turns for 6.5 mph in still water. What is the total length of the trip?

- A. 910.6 miles
- B. 901.4 miles
- C. 900.7 miles
- D. 873.7 miles

Correct answer: D

2. You estimate the current at 3.0 mph. What is the speed over the ground?

- A. 3.5 mph
- B. 4.5 mph
- C. 7.5 mph
- D. 9.5 mph

Correct answer: A

3. What is the Federal Project Depth of the channel from Baton Rouge to New Orleans, LA?

- A. 9 feet
- B. 30 feet
- C. 40 feet
- D. 45 feet

Correct answer: D

4. You pass Springfield Bend Lt. (mile 244.8 AHP) at 1242, on 17 October, and estimate the current will average 2.5 mph for the remainder of your trip. What is your ETA at the mouth of the Ohio River if you are making turns for 10.5 mph?

- A. 1905, 19 October
- B. 2122, 19 October
- C. 0519, 21 October
- D. 0847, 21 October

Correct answer: C

5. As you pass under the Natchez-Vidalia Dual Bridge, the gage on the bridge reads +3.6 feet. If the highest point on your vessel is 62 ft. above the water, what is your vertical clearance?
- A. 60.4 feet
 - B. 63.6 feet
 - C. 67.6 feet
 - D. 122.0 feet

Correct answer: A

6. What are the color and shape of Togo Island daymark at mile 414.6 AHP?
- A. Green - Diamond
 - B. Red - Triangle
 - C. Red - Square
 - D. Green - Square

Correct answer: D

7. At 1227, on 19 October, you pass under the Greenville Highway Bridge (mile 531.3 AHP). What speed must you average to arrive at Jimmy Hawken Light (mile 663.5 AHP) at 0930 the following day?
- A. 5.2 mph
 - B. 5.6 mph
 - C. 5.9 mph
 - D. 6.3 mph

Correct answer: D

8. Which of the following statements regarding aids to navigation shown in the Corps. of Engineers map book is TRUE?
- A. Buoys should always be given as wide a berth in passing as possible.
 - B. Lights and daymarks are always shown in their exact location.
 - C. Buoy positions as shown on the chart are exact.
 - D. The U.S. Army Corps of Engineers is responsible for placing and maintaining all aids to navigation.

Correct answer: A

9. The Delta-Friar Point revetment on the LMR extends from mile _____.
- A. 657.3 - 652.2 LDB
 - B. 652.8 - 649.6 RDB
 - C. 648.5 - 645.5 LDB
 - D. 645.6 - 641.4 RDB

Correct answer: A

10. What is the distance from Baton Rouge, LA, to St. Louis, MO, on the Mississippi River System?
- A. 1038 miles
 - B. 916 miles
 - C. 690 miles
 - D. 352 miles

Correct answer: B