

U.S.C.G. Merchant Marine Exam

Master Less than 100 Gross Registered Tons Rivers

Q403 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

At 0825 on 08 March, you get underway from the River Cement Co. (173.0 AHP), enroute The Slay Warehousing docks (179.0 UMR) in St. Louis, MO, with a tow of eight barges carrying cement.

What is the distance from the River Cement Co. Dock to the mouth of the Ohio River?

- (A) 953.5 miles
- (B) 981.5 miles
- (C) 780.8 miles
- (D) 718.8 miles

If choice C is selected set score to 1.

2. As you pass under the Baton Rouge R.R. and Hwy 190 Bridge C233.9 AHP), you find that the Kinder Morgan Bulk Terminals are indicated by which numbered box?

- (A) 10
- (B) 7
- (C) 9
- (D) 8

If choice A is selected set score to 1.

3. You are turning for 9 mph, approaching Fort Adams Lt. (mile 311.4 AHP) and it is reported that the current at Knox Landing is estimated at 4.5 MPH. Which of the following statements is TRUE?

- (A) You are making 13.5 mph over the ground.
- (B) Old River Control Structure Light and Fort Adams Light may be used as range lights when entering the outflow channel.
- (C) Tows and other vessels should navigate as close to the left descending bank as safety will permit.
- (D) The inflow channel is a navigable channel for any vessel.

If choice C is selected set score to 1.

4. At 0715, on March 9, you pass Knox Landing Gage (mile 313.8 AHP) and estimate the current will average 3.5 mph for the remainder of the time on the Mississippi River. What is your ETA at the mouth of the Ohio River if you increase speed to turn for 10 mph?
- (A) 0640, 11 March
 - (B) 0943, 13 March
 - (C) 1242, 13 March
 - (D) 0554, 12 March

If choice B is selected set score to 1.

5. What is the vertical clearance between the highest point of your towboat, if it is 45 feet above the water, and if the Natchez Gage reads 23.4 feet when passing under the Natchez-Vidalia Westbound Highway Bridge?
- (A) 52.2 feet
 - (B) 67.5 feet
 - (C) 45.2 feet
 - (D) 57.1 feet

If choice D is selected set score to 1.

6. In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?
- (A) U.S.C.G. Local Notice to Mariners
 - (B) Army Corps. of Engineers Navigation Chart
 - (C) List of Buoys and Daymarks
 - (D) Coast Pilot

7. As you approach Buckridge Light (mile 412.5 AHP), which type of daymark would you see on the light structure?
- (A) Red square
 - (B) Green square
 - (C) Red diamond
 - (D) Green diamond

If choice D is selected set score to 1.

8. At 1019, on 10 March, you pass under the Greenville Bridge (mile 531.3 AHP). What was your average speed since departing River Cement Co. Dock?
- (A) 6.8 mph
 - (B) 7.2 mph
 - (C) 6.5 mph
 - (D) 6.2 mph

If choice B is selected set score to 1.

9. As you approach mile 659 AHP, you notice on the map a dashed line crossing the river at mile 659.9 AHP. This line indicates _____.
- (A) submarine crossing
 - (B) power lines
 - (C) ferry crossing
 - (D) gas pipelines

If choice B is selected set score to 1.

10. On which river is New Providence, TN located?

- (A) Cumberland
- (B) Allegheny
- (C) Upper Mississippi
- (D) Ohio

If choice A is selected set score to 1.