

U.S.C.G. Merchant Marine Exam

Master Unlimited Tonnage

Q383 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 the 10th of May at 1130, you leave the fleeting area at Gartness Lt.(mile 227.8 AHP) bound for the Monsanto Terminal in St. Louis (mile 178.0 UMR). Your engines turn for 8.5 mph in still water.

What is the length of the trip?

- (A) 1002.0 miles
- (B) 1136.8 miles
- (C) 405.8 miles
- (D) 904.0 miles

If choice D is selected set score to 1.

2. You estimate the current as 2.5 mph. What is the speed over the ground?

- (A) 6.0 mph
- (B) 11.0 mph
- (C) 5.5 mph
- (D) 8.0 mph

If choice A is selected set score to 1.

3. As you approach Casting Yard Dock Lt. (mile 265.4 AHP) you notice on the map a circle with 2 black sectors. This symbol indicates a _____.

- (A) mooring buoy
- (B) river gage
- (C) lock
- (D) warning sign

If choice B is selected set score to 1.

4. From Baton Rouge to Cairo, the channel Project Depth is twelve (12) feet. What is the Maintained Depth of the channel?

- (A) 15 feet
- (B) 9 feet
- (C) 6 feet
- (D) 40 feet

If choice B is selected set score to 1.

5. On which map would you find Redman Point, Arkansas?

- (A) 45
- (B) 38
- (C) 20
- (D) 60

If choice C is selected set score to 1.

6. At 1000, on May 11th, you are passing George Prince Lt. (mile 364.1 AHP) in Natchez, Mississippi and must send an ETA to the Monsanto Terminal in St. Louis (mile 178.0 UMR). Your engines are still turning for 8.5 mph and you estimate the current at 2.5 mph. What will be your arrival time in St. Louis?

- (A) 2344 on 15 May
- (B) 1919 on 15 May
- (C) 1757 on 16 May
- (D) 1113 on 16 May

If choice C is selected set score to 1.

7. As you approach Ashland Light (mile 378.1 AHP) which daymark would you see?

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

If choice A is selected set score to 1.

8. What is your clearance as you pass under the Vicksburg Highway 80 Bridge (mile 437.8 AHP). if the Vicksburg Gage reads 14.8 feet and the highest point on your tow boat is 44.5 feet?

- (A) 48 feet
- (B) 36 feet
- (C) 42 feet
- (D) 57 feet

If choice D is selected set score to 1.

- 9.** After entering Milliken Bend (mile 455 AHP) you wish to locate the river service in Madison Parish, Louisiana. The river service is indicated by the square containing which number?
- (A) 2
 - (B) 5
 - (C) 3
 - (D) 4

If choice D is selected set score to 1.

- 10.** At Filter Point Light (mile 475 AHP) there are 2 close straight dashed lines on the map passing through the black dots. What do these lines represent?
- (A) Aerial power cables
 - (B) Submerged gas pipelines
 - (C) Submerged telephone cables
 - (D) Submerged oil pipelines

If choice A is selected set score to 1.