

U.S.C.G. Merchant Marine Exam

Master Less than 500-1600 Gross Registered Tons

Q389 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 0620 on 25 November, you depart Cape Girardeau fleeting area (mile 53.0 UMR) bound for the Gold Bond Building Products Wharf in New Orleans, LA, (mile 102.0 AHP).

Your engines are turning for 8.2 mph. You estimate the current at 1.5 mph. What is your speed over the ground?

- (A) 8.8 mph
- (B) 9.7 mph
- (C) 8.2 mph
- (D) 6.7 mph

If choice B is selected set score to 1.

- 2.** What is the distance to Caruthersville Gage from Cape Girardeau?

- (A) 793.4 miles
- (B) 54.4 miles
- (C) 899.4 miles
- (D) 160.4 miles

If choice D is selected set score to 1.

- 3.** Which dayboard would you see on Puntney Light (mile 943.6 AHP)?

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

If choice D is selected set score to 1.

4. What is the distance from the Memphis Gage to the Redneb Services Dock in New Orleans, LA.

- (A) 588 miles
- (B) 460 miles
- (C) 633 miles
- (D) 503 miles

If choice C is selected set score to 1.

5. How long will it take you to go from the Memphis Gage to your destination in New Orleans, LA, if you estimate the average current on this segment of the route to be 2.0 mph and you increase the engine turns to 8.5 mph.

- (A) 2 days 12 hours 15 minutes
- (B) 3 days 4 hours 11 minutes
- (C) 2 days 6 hours 24 minutes
- (D) 1 day 20 hours 33 minutes

If choice A is selected set score to 1.

6. What is the minimum maintained depth of the channel from Cairo to Baton Rouge during low water?

- (A) 15 feet
- (B) 9 feet
- (C) 18 feet
- (D) 12 feet

If choice B is selected set score to 1.

7. You see a buoy with red and green bands. This buoy marks _____.

- (A) the preferred channel
- (B) an isolated danger
- (C) the center of the channel
- (D) a channel crossing

If choice A is selected set score to 1.

8. As you approach Old River Control Structure Light you see a flashing amber light. You should _____.

- (A) navigate as close to the left descending bank as safety permits
- (B) turn into the inflow channel as the bypass is now open
- (C) navigate as close to the right descending bank as safety permits
- (D) slow your engine speed to not more than 5 mph

If choice A is selected set score to 1.

9. What are the dimensions of the Old River Lock?

- (A) 100 ft x 990 ft
- (B) 75 ft x 1000 ft
- (C) 110 ft x 1190 ft
- (D) 75 ft x 1190 ft

If choice D is selected set score to 1.

10. At 1710 on 27 November, you are abeam of Kings Point Lt. (mile 439.8 AHP). At this time you receive a message that there will not be space for you at the Redneb Services Dock until after 1200 on the 29 November. What speed over the ground will you have to slow to so as not to arrive before this time?

- (A) 5.4 mph
- (B) 6.9 mph
- (C) 6.1 mph
- (D) 7.9 mph

If choice D is selected set score to 1.