

U.S.C.G. Merchant Marine Exam

Master or Mate Less than 200 Gross Registered Tons

Q343 Chart 13205TR

(Sample Examination)

Choose the best answer to the following Multiple-Choice Questions.

The following questions are to be answered by plotting on chart 13205 TR, Block Island Sound, and using the supporting publications.

Each question is completely independent of any other question on this exam.

The following information is applicable to all questions.

(The abbreviation "psc" stands for "per standard magnetic compass".)

VARIATION IS 15° W

DEVIATION TABLE

HDG.MAG. DEVIATION

000° 2.0°E

030° 3.0°E

060° 4.0°E

090° 2.0°E

120° 1.0°E

150° 1.0°W

180° 2.0°W

210° 3.5°W

240° 3.0°W

270° 1.5°W

300° 0.0°

330° 1.5°E

1. At 1014 you depart the entrance to Lake Montauk with light "1" close aboard. Your course is 066° per standard magnetic compass, and the speed is 8.6 knots. At 1232 your position is LAT 41°20.0'N, LONG 71°40.0'W. What is the speed made good?
 - A. 8.5 knots
 - B. 9.2 knots
 - C. 8.9 knots
 - D. 8.2 knots

Correct answer: A

2. What soundings are indicated by a blue tint on this chart?
 - A. 30 fathoms or more
 - B. 30 feet or more
 - C. 30 feet or less
 - D. 30 fathoms or less

Correct answer: C

3. At 0726 you depart Lake Montauk with light 1 close aboard and set course 309° per standard magnetic compass at 6.7 knots. At 0818 your GPS position is LAT 41°07.1'N, LONG 72°02.6'W. What is the current?
 - A. 334°T at 0.9 knot
 - B. 164°T at 0.7 knot
 - C. 321°T at 0.6 knot
 - D. 102°T at 0.6 knot

Correct answer: D

4. Montauk Point Light is 168 feet above what reference level?

- A. Mean high water
- B. Ground level
- C. Mean low water
- D. Mean tide level

Correct answer: A

5. Which of the following describes Block Island?

- A. hilly with elevations to 200 feet (60.5 m)
- B. a national bird sanctuary
- C. surrounded by wide sandy beaches
- D. a low, marshy island

Correct answer: A

6. Determine the course per standard magnetic compass from 0.2 mile south of Race Rock Light (LAT 41°14.6'N, LONG 72°02.8'W) to the entrance of the channel to Lake Montauk (west of Montauk Point).

- A. 168.5°psc
- B. 165.5°psc
- C. 152.0°psc
- D. 137.0°psc

Correct answer: A

7. What is the true course to steer between the entrance to Winnapaug Pond (LAT 41°19.6'N, LONG 71°45.8'W) and the entrance to Lake Montauk (LAT 41°04.8'N, LONG 71°56.3'W), if you are turning for 6.5 knots, allow for a current of 295°T at 0.9 knot, and an easterly wind is causing 4° of leeway?

- A. 217°T
- B. 196°T
- C. 213°T
- D. 200°T

Correct answer: B

8. You are on course 025° per standard magnetic compass when you take the following bearings:

Point Judith Light - 072° psc
Block Island North Point Light - 118° psc
Watch Hill Light - 306° psc

What is your position?

- A. LAT $41^\circ 15.4'N$, LONG $71^\circ 43.1'W$
- B. LAT $41^\circ 15.6'N$, LONG $71^\circ 42.8'W$
- C. LAT $41^\circ 14.9'N$, LONG $71^\circ 43.2'W$
- D. LAT $41^\circ 15.1'N$, LONG $71^\circ 44.0'W$

Correct answer: A

9. You are on course 302° per standard magnetic compass when you sight Block Island Southeast Point Light in line with the Block Island Aero Beacon bearing 323° per standard magnetic compass. Based on this information which of the following should you do?

- A. swing your vessel to check the deviation table
- B. know the deviation table is correct for that heading
- C. know the deviation is $15^\circ E$
- D. know the deviation is equal to the variation

Correct answer: B

10. (5.8.2.1A8-4) At 0943, your position is LAT $41^\circ 14.8'N$, LONG $71^\circ 54.3'W$. You are turning for 12.2 knots. What is your ETA at the entrance to Great Salt Pond on Block Island?

- A. 1054
- B. 1048
- C. 1040
- D. 1032

Correct answer: A