

U.S.C.G. Merchant Marine Exam

Master Less than 100 Gross Registered Tons

Q350 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

<i>Magnetic Heading</i>	<i>Deviation</i>
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. You are proceeding from a point 4 miles due east of Montauk Point enroute to Long Island Sound via The Race. What should you expect the soundings to do?
- A. increase rapidly at first then remain constant until through the Race
 - B. remain fairly constant
 - C. start increasing when north of Montauk Point
 - D. be inaccurate due to sound absorption by the mud bottom

Correct answer: C

2. Determine the course per standard magnetic compass from the entrance to Quonochontaug Pond (LAT 41°19.8'N, LONG 71°43.2'W) to the entrance to Great Salt Pond on Block Island.
- A. 134.0°psc
 - B. 159.0°psc
 - C. 129.5°psc
 - D. 156.0°psc

Correct answer: B

3. At 1016 your position is LAT 41°07.6'N, LONG 71°38.5'W. At 1116 your position is LAT 41°01.4'N, LONG 71°29.4'W. What was the course made good between the two positions?

A. 132°T
B. 135°T
C. 143°T
D. 140°T

Correct answer: A

4. You are on course 053° per standard magnetic compass when you take the following bearings:

Little Gull Island Light 275°psc
Race Rock Light 296°psc
Latimer Reef Light 011°psc

What is your position?

A. LAT 41°13.2'N, LONG 71°56.0'W
B. LAT 41°13.4'N, LONG 71°55.5'W
C. LAT 41°12.9'N, LONG 71°56.3'W
D. LAT 41°13.8'N, LONG 71°56.1'W

Correct answer: A

5. 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. 321°T at 0.6 knot
B. 164°T at 0.7 knot
C. 102°T at 0.6 knot
D. 334°T at 0.9 knot

Correct answer: C

6. At 1523 your position is LAT 41°08.2'N, LONG 71°34.4'W. You are turning for 8.7 knots. What is your ETA at Shagwong Reef Buoy "7SR"?

A. 1718
B. 1700
C. 1711
D. 1653

Correct answer: C

7. You sight North Dumpling Island Light in line with Latimer Reef Light (LAT 41°18.2'N, LONG 71°56.0'W) bearing 089° per standard magnetic compass. If your vessel was heading 297° per standard magnetic compass at the time, which of the following is TRUE?

A. The deviation equals the variation.
B. The compass error is 13°W for all bearings of 089°psc.
C. You should swing your vessel to check the deviation table.
D. The deviation table is correct for that heading.

Correct answer: C

8. What does the precautionary area southeast of Block Island refer to?

- A. recommended traffic lane
- B. military exercise area
- C. national marine refuge
- D. dumping ground for hazardous wastes

Correct answer: A

9. Your position is 3 miles due east of Montauk Point Light. What is the course to steer to arrive at LAT 41°00.0'N, LONG 71°30.0'W, if you are turning for 7.8 knots, the current is 130° at 1.2 knots, and a southerly wind causes 3° of leeway?

- A. 108°T
- B. 105°T
- C. 102°T
- D. 112°T

Correct answer: A

10. Which of the following describes the passage between Great Gull Island and Plum Island?

- A. it uncovers at extreme low water
- B. it shows a whirlpool at maximum ebb current when accompanied by NW gales
- C. it is subject to weak and variable tidal currents
- D. it should be avoided

Correct answer: D