

U.S.C.G. Merchant Marine Exam
Operator Uninspected Passenger Vessels
Q358 Chart 12354TR
(Sample Examination)

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

The following questions are to be answered by plotting on chart 12354 TR, Long 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 14° 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. You are on course 262° per standard magnetic compass when you take the following bearings:

Saybrook Breakwater Light - 338.5°psc
Little Gull Island Light - 107.5°psc
Horton Point Light - 240.0°psc

What is your position?

- A. LAT 41°12.1'N, LONG 72°17.3'W
- B. LAT 41°12.6'N, LONG 72°17.2'W
- C. LAT 41°13.0'N, LONG 72°17.7'W
- D. LAT 41°11.9'N, LONG 72°16.7'N

Correct answer: B

2. Your present position is LAT 41°05.5'N, LONG 72°38.0'W. Assuming that there is no set and drift, what course must you steer per standard magnetic compass (psc) to arrive at a position midway between New Haven Harbor Channel buoys #1 and #2?

- A. 315°psc
- B. 319°psc
- C. 137°psc
- D. 309°psc

Correct answer: A

3. At 1825 your GPS position is LAT 41°04.9'N, LONG 72°42.1'W. You are on course 085° per standard magnetic compass at a speed of 10 knots. At 1910 your GPS position is 1 mile due south of Twenty-Eight Foot Shoal Lighted Buoy. What were your set and drift?

- A. 233°T at 2.9 knots
- B. 054°T at 2.8 knots
- C. 051°T at 2.1 knots
- D. 227°T at 2.5 knots

Correct answer: B

4. You are planning to anchor your vessel at LAT 41°01.1'N, LONG 73°02.8'W. What type of bottom should you expect at this position?

- A. Hard sand
- B. Gray mud
- C. Soft mud
- D. Gray sand

Correct answer: B

5. At 1018 your position is LAT 41°14.4'N, LONG 72°07.2'W. At 1036 your vessels position is LAT 41°13.1'N, LONG 72°16.1'W. What was your true course and speed made good?

- A. 065° at 25.5 knots
- B. 079° at 22.8 knots
- C. 259° at 22.6 knots
- D. 245° at 23.1 knots

Correct answer: C

6. What is the maximum speed permitted in Clinton Harbor?

- A. 10 mph
- B. 8 mph
- C. 6 mph
- D. 12 mph

Correct answer: C

7. At 0829 your position is LAT 41°02.9'N, LONG 72°57.4'W. You are making turns for 8.5 knots. What is your ETA at a position midway between buoys "1" and "2" at the entrance of New Haven Outer Channel?

- A. 0938
- B. 0944
- C. 0925
- D. 0931

Correct answer: B

8. You sight Stratford Pt. Light in line with the Igor I. Sikorsky Airport Aero Beacon bearing 319° per standard magnetic compass. What is the compass error?
- A. 18°W
 - B. 4°E
 - C. 14°E
 - D. 10°W

Correct answer: A

9. What does the chart symbol depicted at LAT $41^\circ13.5'\text{N}$, LONG $72^\circ29.7'\text{W}$ indicate?
- A. a wreck not dangerous to surface navigation
 - B. the exact position of a dangerous wreck
 - C. the approximate position of a wreck dangerous to surface navigation
 - D. a wreck cleared by wire drag to a depth of 39 feet

Correct answer: C

10. Your engines are making turns for 8 knots and a northerly wind is causing 3° of leeway. There is a current of 220°T at 1.5 knots. What is the course to steer between Branford Reef Light and Faulkner Island Light?
- A. 102°T
 - B. 084°T
 - C. 108°T
 - D. 095°T

Correct answer: B