

Question 1

1(e)(iii)	102 (2) if 2 marks not scored 1 mark for 10 (for H) OR 32 (for O)	2
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Question 2

2(b)	isotopes (1) ¹² C (1)	2
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Question 3

3(e)	411 (2) if 2 marks not scored 1 mark for P = (4 × 31) = 124	2
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Question 4

4(d)	88 (2) If 2 marks not scored 1 mark for 32 (for O) OR 8 (for H)	2
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Question 5

5(a)(i)	circle around the COOH group	1
5(a)(ii)	C ₃ H ₆ O ₃	1
5(b)(i)	72 (2) If 2 marks not scored 1 mark for H = (4 × 1) = 4 OR O = (2 × 16) = 32	2

Question 6

6(c)(iv)	98 if 2 marks not scored, 1 mark for S = (1 × 32) = 32 OR O = (4 × 16) = 64	2
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Question 7

7(e)	113 (2) If two marks not scored, allow 1 mark for H = 6 × 1 / 6 OR Cl = 2 × 35.5 / 71	2
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Question 8

8(e)	123 (2) if two marks not scored, allow 1 mark for C = 4 × 12 / 48 OR H = 1 × 10 / 10	2
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Question 9

9(d)	171 (2) If two marks not scored, allow 1 mark for C = 4 × 12 / 48 OR O = 4 × 16 / 64	2
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Question 10

10(b)(i)	M1 160 M2 112 AND 70.(0)(%)	2
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