

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question of this course assessment in the question paper.

Candidate 1

Question 1

The candidate was awarded **1/3 marks**.

- ✓ Mark 1: awarded, the candidate has stated the number of years at primary and the number of years at secondary.
- ✗ Mark 2: not awarded, number of days was not stated.
- ✗ Mark 3: not awarded, calculation is not correct.

Candidate 2

Question 1

The candidate was awarded **3/3 marks**.

- ✓ Mark 1: awarded, assumption of number of years stated.
- ✓ Mark 2: awarded, assumption of number of hours per day.
- ✓ Mark 3: awarded, calculation is correct.

Candidate 3

Question 2

The candidate was awarded **4/6 marks**.

- ✓ Mark 1: awarded, first 6 tasks and durations are correct.
- ✓ Mark 2: awarded, remaining 4 tasks and duration are correct.
- ✗ Mark 3: not awarded, forward scan at C and D is not correct.
- ✓ Mark 4: awarded, forward scan for G-J is consistent with previous working.
- ✓ Mark 5: awarded, backward scan is consistent with previous working.
- ✗ Mark 6: not awarded, A has the incorrect backward scan.

Candidate 4

Question 2

The candidate was awarded **5/6 marks**.

- ✓ Mark 1: awarded, first 6 tasks and durations are correct.
- ✓ Mark 2: awarded, remaining 4 tasks and duration are correct.
- ✓ Mark 3: awarded, forward scan at C and D is correct.
- ✓ Mark 4: awarded, forward scan for G-J is correct.
- ✗ Mark 5: not awarded, backward scan at H is incorrect.
- ✓ Mark 6: awarded, remaining backward scan is correct.

Candidate 5

Question 3(a)(i)

The candidate was awarded **0/1 marks**.

- ✗ Mark 1: not awarded, discrete needs to be included.

Candidate 6

Question 3(a)(ii)

The candidate was awarded **1/1 marks**.

- ✓ Mark 2: awarded, no need for nominal to be stated.

Candidate 7

Question 3(b)

The candidate was awarded **2/2 marks**.

- ✓ Mark 1: awarded, suitable explanation.
- ✓ Mark 2: awarded, suitable explanation.

Candidate 8

Question 3(b)

The candidate was awarded **1/2 marks**.

- ✓ Mark 1: awarded, suitable explanation.
- ✗ Mark 2: not awarded, not a valid explanation.

Candidate 9

Question 4

The candidate was awarded **4/4 marks**.

- ✓ Mark 1: awarded, taxable income after pension deductions calculated.
- ✓ Mark 2: awarded, tax has been calculated for the starter band.
- ✓ Mark 3: awarded, tax for remaining bands has been calculated correctly.
- ✓ Mark 4: awarded, the NI, correct pension contribution and tax have been deducted from the gross salary.

Candidate 10

Question 4

The candidate was awarded **2/4 marks**.

- ✗ Mark 1: not awarded, taxable income after pension deductions not calculated.
- ✓ Mark 2: awarded, tax has been calculated for the starter band.
- ✗ Mark 3: not awarded, tax for remaining bands has not been calculated correctly.
- ✓ Mark 4: awarded, the NI, correct pension contribution and tax have been deducted from the gross salary.

Candidate 11

Question 5(a)

The candidate was awarded **1/2 marks**.

- ✘ Mark 1: not awarded, as the scatterplot is number of calories on carbohydrate content and not carbohydrate content on calories.
- ✓ Mark 2: awarded, appropriate titles and labels.

Candidate 12

Question 5(a)

The candidate was awarded **0/2 marks**.

- ✘ Mark 1: not awarded, inappropriate plot.
- ✘ Mark 2: not awarded, missing label.

Candidate 13

Question 5(b)(i)

The candidate was awarded **2/2 marks**.

- ✓ Mark 3: awarded, correlation coefficient has been generated.
- ✓ Mark 4: awarded, correlation coefficient has been extracted.

Candidate 14

Question 5(b)(i)

The candidate was awarded **1/2 marks**.

- ✓ Mark 3: awarded, correlation coefficient has been generated.
- ✘ Mark 4: not awarded, correlation coefficient has not been stated.

Candidate 15

Question 5(b)(ii)

The candidate was awarded **0/1 marks**.

- ✗ Mark 5: not awarded, incorrect interpretation of the correlation coefficient.

Candidate 16

Question 5(b)(ii)

The candidate was awarded **0/1 marks**.

- ✗ Mark 5: not awarded, the word 'linear' has not been included.

Candidate 17

Question 5(c)(i)

The candidate was awarded **2/2 marks**.

- ✓ Mark 6: awarded, appropriate output.
- ✓ Mark 7: awarded, appropriate equation stated.

Candidate 18

Question 5(c)(i)

The candidate was awarded **1/2 marks**.

- ✓ Mark 6: awarded, appropriate output.
- ✗ Mark 7: not awarded, equation is not stated in context.

Candidate 19

Question 5(c)(ii)

The candidate was awarded **0/2 marks**.

- ✗ Mark 8: not awarded, no appropriate comment in context for slope parameter.
- ✗ Mark 9: not awarded, no appropriate comment in context for intercept parameter.

Candidate 20

Question 5(c)(ii)

The candidate was awarded **2/2 marks**.

- ✓ Mark 8: awarded, appropriate comment in context for slope parameter stated.
- ✓ Mark 9: awarded, appropriate comment in context for intercept parameter stated.

Candidate 21

Question 5(d)

The candidate was awarded **0/1 marks**.

- ✗ Mark 10: not awarded, value out with the accepted range.

Candidate 22

Question 5(d)

The candidate was awarded **1/1 mark**.

- ✓ Mark 10: awarded, value with the accepted range (candidate may have read the value from the scatterplot).

Candidate 23

Question 5(d)

The candidate was awarded **1/1 marks**.

- ✓ Mark 10: awarded, the candidate has used R to calculate the value.

Candidate 24

Question 6(a)

The candidate was awarded **0/1 marks**.

- ✗ Mark 1: not awarded, incorrect critical path.
- ✓ Mark 1: awarded, correct critical path.

Candidate 25

Question 6(a)

The candidate was awarded **1/1 mark**.

- ✓ Mark 1: awarded, correct critical path.
- ✗ Mark 2: not awarded, incorrect units stated.

Candidate 26

Question 6(b)

The candidate was awarded **0/1 marks**.

- ✗ Mark 2: not awarded, incorrect units stated.

Candidate 27

Question 6(c)

The candidate was awarded **0/1 marks**.

- ✗ Mark 3: not awarded, incorrect comment.

Candidate 28

Question 6(c)

The candidate was awarded **1/1 mark**.

- ✓ Mark 3: awarded, appropriate statement.

Candidate 29

Question 7(a)

The candidate was awarded **1/4 mark**.

- ✓ Mark 1: awarded, started to accumulate balance.
- ✗ Mark 2: not awarded, incorrect balance.
- ✗ Mark 3: not awarded, incorrect power.
- ✗ Mark 4: not awarded, incorrect final balance (no further calculation has taken place).

Candidate 30

Question 7(a)

The candidate was awarded **3/4 marks**.

- ✓ Mark 1: awarded, started to accumulate balance.
- ✓ Mark 2: awarded, correct balance.
- ✗ Mark 3: not awarded, incorrect power.
- ✓ Mark 4: awarded, follow through.

Candidate 31

Question 7(b)

The candidate was awarded **2/2 marks**.

- ✓ Mark 5: awarded, knows how to calculate the present value.
- ✓ Mark 6: awarded, correct value (based on their answer from part (a)).

Candidate 32

Question 7(b)

The candidate was awarded **1/2 marks**.

- ✗ Mark 5: not awarded, incorrect power used.
- ✓ Mark 6: awarded, follow through.

Candidate 33

Question 8(a)

The candidate was awarded **2/3 marks**.

- ✓ Mark 1: awarded, cells C7(1750), C8(80%) and C9(300) completed.
- ✗ Mark 2: not awarded, inappropriate formula in C14.
- ✓ Mark 3: awarded, final answer has been rounded.

Candidate 34

Question 8(a)

The candidate was awarded **1/3 marks**.

- ✓ Mark 1: awarded, cells C7, C8 and C9 completed.
- ✗ Mark 2: not awarded, inappropriate formula in C14.
- ✗ Mark 3: not awarded, final answer has not been rounded.

Candidate 35

Question 8(b)

The candidate was awarded **2/2 marks**.

- ✓ Mark 4: awarded, spreadsheet has been extended to week 52.
- ✓ Mark 5: awarded, appropriate graph created.

Candidate 36

Question 8(b)

The candidate was awarded **2/2 marks**.

- ✓ Mark 4: awarded, spreadsheet has been extended to week 52.
- ✓ Mark 5: awarded, appropriate graph created.

Candidate 37

Question 9(a)

The candidate was awarded **0/1 marks**.

- ✗ Mark 1: not awarded, no suitable explanation.

Candidate 38

Question 9(a)

The candidate was awarded **0/1 marks**.

- ✗ Mark 1: not awarded, no suitable explanation.

Candidate 39

Question 9(a)

The candidate was awarded **1/1 mark**.

- ✓ Mark 1: awarded, suitable explanation given.

Candidate 40

Question 9(b)

The candidate was awarded **0/1 marks**.

- ✗ Mark 2: not awarded, incorrect calculation.

Candidate 41

Question 9(b)

The candidate was awarded **1/1 mark**.

- ✓ Mark 2: awarded, correct calculation.

Candidate 42

Question 9(c)

The candidate was awarded **1/2 mark**.

- ✓ Mark 3: awarded, appropriate calculation.
- ✗ Mark 4: not awarded, no second calculation and incorrect conclusion.

Candidate 43

Question 9(c)

The candidate was awarded **0/2 marks**.

- ✗ Mark 3: not awarded, no appropriate calculation.
- ✗ Mark 4: not awarded, incorrect calculation and incomplete conclusion.

Candidate 44

Question 10(a)(i)

The candidate was awarded **1/1 marks**.

- ✓ Mark 1: awarded, correct calculation.

Candidate 45

Question 10(a)(i)

The candidate was awarded **0/1 marks**.

- ✗ Mark 1: not awarded, incorrect calculation.

Candidate 46

Question 10(a)(ii)

The candidate was awarded **0/1 marks**.

- ✗ Mark 2: not awarded, inappropriate reason.

Candidate 47

Question 10(a)(ii)

The candidate was awarded **1/1 marks**.

- ✓ Mark 2: awarded, appropriate reason stated.

Candidate 48

Question 10(b)(i)

The candidate was awarded **0/1 marks**.

- ✗ Mark 3: not awarded, incorrect variable.

Candidate 49

Question 10(c)

The candidate was awarded **1/2 marks**.

- ✓ Mark 5: awarded, correct graph identified.
- ✗ Mark 6: not awarded, incorrect reason.

Candidate 50

Question 10(c)

The candidate was awarded **2/2 marks**.

- ✓ Mark 5: awarded, correct graph identified.
- ✓ Mark 6: awarded, valid reason.

Candidate 51

Question 11(a)(i)(ii)

The candidate was awarded **4/5 marks**.

- ✓ Mark 1: awarded, correct monthly interest rate.
- ✓ Mark 2: awarded, created formulae.
- ✓ Mark 3: awarded, completed the remainder of the loan schedule.
- ✗ Mark 4: not awarded, no adjustment to the final payment.
- ✓ Mark 5: awarded, correct calculation of total interest paid.