



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 4 – INFORMATION PRESENTATION AND ANALYSIS

Question 1

- (a) **State** what is meant by the $\sqrt{\quad}$ symbol. (2 marks)
- (b) **Explain** the difference between mean and median. (6 marks)
- (c) **Calculate** the mean **and** median using the following data set: 1, 2, 3, 4, 5, 6. (12 marks)

Question 2

- (a) **State** what is meant by the term 'central tendency'. (2 marks)
- (b) **Explain** the relevance of the mean average for data with a non-normal distribution data. (8 marks)
- (c) **Calculate** the standard deviation using the following data set: 1, 1, 1, 2, 2, 3, 3, 7. (10 marks)

Question 3

- (a) **Explain** what is meant by the term 'box plot'. (4 marks)
- (b) **Describe TWO** situations when it is useful to present data using a box plot. (6 marks)
- (c) **Illustrate** the following data using a box plot: 1, 2, 3, 4, 5, 6. Use diagrams and/or examples to support your answer. (10 marks)

Question 4

- (a) **State** the meaning of the term 'net book value'. (2 marks)
- (b) **Describe how** to calculate net book value. (8 marks)
- (c) **Illustrate how** depreciation affects the net book value of a computer asset of your choice. Use diagrams and/or examples to support your answer. (10 marks)

Question 5

Suggest the most appropriate approach to test the design of a survey. **Justify** your answer. (20 marks)