



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 4 – INFORMATION PRESENTATION AND ANALYSIS

Question 1

Describe probability theory and use examples to **illustrate** its role in information analysis and presentation. (20 marks)

Question 2

- (a) **Explain** the importance of discrete and continuous probability distributions. (10 marks)
- (b) **Discuss** inference and prediction as methods of statistical analysis. (10 marks)

Question 3

Discuss the benefits and drawbacks of different formats of presenting data. (20 marks)

Question 4

- (a) **Illustrate** the non-probability and probability sampling methods in statistical analysis. (10 marks)
- (b) **Describe** the common assumptions associated with parametric and non-parametric statistics. (10 marks)

Question 5

- (a) **Illustrate** the advantages of **THREE** statistical averages as measures of central tendency. (10 marks)
- (b) **Discuss** the key differences between qualitative and quantitative measurement and their implications. (10 marks)