



Professional Qualification in
COMPUTING AND INFORMATION SYSTEMS
Level 4 Diploma

UNIT 4 – INFORMATION PRESENTATION AND ANALYSIS

Question 1

State what is meant by each of the following statistical terms:

Population. (2 marks)

Sample. (2 marks)

Mean. (2 marks)

Mode. (2 marks)

Variance. (2 marks)

Question 2

Write the formula for calculating a mean average. (5 marks)

Write the formula for calculating a standard deviation. (5 marks)

Question 3

Describe **ONE** purpose of statistical methods. (5 marks)

Describe **ONE** application of statistical methods. (5 marks)

Question 4

Describe **ONE** feature of a discrete probability distribution. (5 marks)

Describe **ONE** feature of a continuous probability distribution. (5 marks)

Question 5

When presenting data, describe:

The merit of using tables. (5 marks)

The merit of using pictographs. (5 marks)

Question 6

When creating a tabular presentation of data, describe what is meant by:

Rows. (5 marks)

Columns. (5 marks)

Question 7

Describe **ONE** advantage of using each of the following statistical averages to analyse data:

Median. (5 marks)

Mode. (5 marks)

Question 8

Describe **ONE** relevance of a statistical analysis subject to dichotomous data. (5 marks)

Describe **ONE** relevance of a statistical analysis subject to nominal data. (5 marks)

Question 9

Compare the features of qualitative and quantitative measurement. (10 marks)

Question 10

Describe **ONE** design consideration for the creation of questionnaire items. (5 marks)

Describe **ONE** design consideration for the creation of criteria for content analysis. (5 marks)