



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 1 – INFORMATION SYSTEMS

Question 1

- (a) **State** the meaning of the acronym 'ODBC'. (2 marks)
- (b) **Explain TWO** ways in which ODBC is used to facilitate transfer of data between information systems. (6 marks)
- (c) Referring to your response to Question 1b, **explain THREE** advantages of using ODBC. (12 marks)

Question 2

- (a) **Describe** what an enterprise resource planning package is. (2 marks)
- (b) **Explain TWO** ways in which an information system can be used to support enterprise resource planning. (6 marks)
- (c) **Illustrate TWO** advantages of using an information system to support enterprise resource planning. Use diagrams and/or examples to support your answer. (12 marks)

Question 3

- (a) **Describe** what happens in the requirements gathering stage of an information system project. (4 marks)
- (b) **Explain how** requirements gathering activities are planned **and** managed. (8 marks)
- (c) **Explain TWO** ways in which activities in the requirements gathering stage of project fit into the overall system development life cycle. (8 marks)

Question 4

- (a) **State TWO** key responsibilities of a business intelligence specialist. (2 marks)
- (b) **Explain** whether people involved in business intelligence have any responsibility for organisational security. (6 marks)
- (c) **Compare TWO** ways in which the task of data analysis differs from the task of programming. (12 marks)

Question 5

Illustrate how an information system may be used to support banking. Use diagrams and/or examples to support your answer. (20 marks)

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