



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS Level 4 Diploma

UNIT 1 – INFORMATION SYSTEMS

Question 1

- (a) **Describe** the organisational needs for information systems. (10 marks)
- (b) **Explain** the benefits of having an effective information system in an educational institution. (10 marks)

Question 2

- (a) **State** what is meant by the term 'database management system'. (4 marks)
- (b) **Describe TWO** ways in which a database management system can support business tasks. (8 marks)
- (c) **Explain** how a database management system can integrate with other information systems to support **ONE** business task of your choice. (8 marks)

Question 3

- (a) **State** what is meant by the term 'procurement'. (4 marks)
- (b) **Describe** how a computerised information system can improve the procurement function of a large manufacturing company. (8 marks)
- (c) **Describe** how the roles of staff could be affected by the introduction of a computerised information system. (8 marks)

Question 4

- (a) **Describe** the roles and responsibilities of the information systems manager within an organisation. (10 marks)
- (b) **Illustrate** how an organisation's everyday culture and practices can affect the security of an information system. (10 marks)

Question 5

Discuss how information system professionals should manage data security issues, with reference to appropriate strategies and policies. (20 marks)