



# Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

## Level 4 Diploma

### UNIT 1 – INFORMATION SYSTEMS

#### Question 1

- (a) **State** what it means for an information system to be 'timely'. (2 marks)
- (b) **Describe TWO** ways in which an information system used to manage school timetables should be timely. (6 marks)
- (c) **Contrast** the differing capabilities of an information system used to manage schools and hospital timetables, with respect to their timeliness. (12 marks)

#### Question 2

- (a) **State** the meaning of the term 'optical character recognition'. (2 marks)
- (b) **Describe TWO** ways in which optical character recognition systems are used to support business tasks. (6 marks)
- (c) **Explain how** optical character recognition systems integrate with other information systems to support **ONE** business task. (12 marks)

#### Question 3

- (a) **Identify** an information system that is used to support communications. (2 marks)
- (b) Referring to your answer to Question 3a, **describe how** this information system supports communications. (6 marks)
- (c) **Describe THREE** advantages of a computerised system over a non-computerised system to support communications. (12 marks)

#### Question 4

- (a) **Describe** the role of a requirements engineer. (4 marks)
- (b) **Describe** the role of a technical architect. (4 marks)
- (c) **Illustrate how** end-user behaviour can have a positive influence on the security of an information system. Use diagrams and/or examples to support your answer. (12 marks)

#### Question 5

**Discuss how** information system professionals should minimise the risk of data loss, with reference to risk management strategies. (20 marks)