



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 3 – INFORMATION SYSTEMS ANALYSIS AND DESIGN

Question 1

- (a) **Describe** the waterfall model. (6 marks)
- (b) **Explain how** the waterfall model can be applied to an information systems project. (14 marks)

Question 2

- (a) **Describe** the importance of good communication skills in a system analysis context. (8 marks)
- (b) **Suggest** what continuing professional development a systems analyst could undertake to maintain good communication skills. (12 marks)

Question 3

Illustrate the requirements for an order processing system using an appropriate UML diagram. (20 marks)

Question 4

Illustrate information flow between a customer, website, and bank as part of a financial transaction using an appropriate UML diagram. (20 marks)

Question 5

- (a) **Describe** the function and purpose of a RAID log. (8 marks)
- (b) **Describe how** a RAID log is used by project managers to communicate with their team. (12 marks)