



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 3 – INFORMATION SYSTEMS ANALYSIS AND DESIGN

Question 1

Discuss the role and the skill set required of a systems analyst in an information systems project. (20 marks)

Question 2

- (a) **Describe** the performance requirements of an information systems project. (10 marks)
- (b) **Assess** the requirements of common information systems. (10 marks)

Question 3

A client of yours imports electrical appliances for domestic consumption. They intend on implementing an IT-based information system for their sales and customer support operations. As a result they have asked you to analyse their processes. **describe** their requirements using an appropriate UML use-case diagram. (20 marks)

Question 4

- (a) **Describe TWO** modelling techniques used to communicate the flow of information around an information system. (10 marks)
- (b) **Illustrate** the components of a UML sequence diagram. (10 marks)

Question 5

- (a) **Compare** and **contrast** the Prince2 and SCRUM project management methodologies. (10 marks)
- (b) **Explain** how GANTT charts can be used for planning an information systems project. (10 marks)