



Professional Qualification in COMPUTING AND INFORMATION SYSTEMS

Level 4 Diploma

UNIT 3 – INFORMATION SYSTEMS ANALYSIS AND DESIGN

Question 1

- (a) **State** what is meant by the term 'JAD'. (2 marks)
- (b) **Describe** JAD. (6 marks)
- (c) **Explain how** JAD can be applied to an information systems project. (12 marks)

Question 2

- (a) **State** what is meant by the term 'teamwork'. (2 marks)
- (b) **Describe** teamwork in a systems analysis context. (6 marks)
- (c) **Suggest why** it is important for a systems analyst to be skilled in teamwork. (12 marks)

Question 3

Illustrate the requirements for a navigation app using an appropriate UML diagram. (20 marks)

Question 4

Illustrate information flow between the mobile device and the navigation service using an appropriate UML diagram. (20 marks)

Question 5

- (a) **State** the main purpose of a Gantt chart. (2 marks)
- (b) **Describe** a Gantt chart. (6 marks)
- (c) **Describe how** a Gantt chart is used by project managers to communicate with their team. (12 marks)