



Professional Qualification in COMPUTER ENGINEERING Level 4 Diploma

UNIT 1 – COMPUTER SYSTEMS

Question 1

Discuss the role of personal computer systems in the home environment. (20 marks)

Question 2

- (a) Describe FIVE items of computer hardware. (10 marks)
- (b) Explain the difference between a mainframe and a workstation. (10 marks)

Question 3

Propose a hardware specification for a home desktop computer used for browsing the World Wide Web and listening to music, with reference to cost and performance. (20 marks)

Question 4

Analyse the key factors which should be considered when selecting a Power Supply Unit (PSU) for a computer system, with reference to wattage. (20 marks)

Question 5

Explain how to configure the Basic Input Output System (BIOS), with reference to: time settings; power management; drive priorities; security and performance. (20 marks)