



**Professional Qualification in
COMPUTER ENGINEERING
Level 4 Diploma**

UNIT 1 – COMPUTER SYSTEMS

Question 1

- (a) **Compare** and **contrast** the different purposes and uses of tablets and mobiles. (10 marks)
- (b) **Explain** the roles of **THREE** output peripherals. (10 marks)

Question 2

- (a) **State** what is meant by the term 'real-time communication'. (6 marks)
- (b) **Explain** the need for compilers in a computer system. (6 marks)
- (c) **Describe** the roles of a motherboard in a computer system. (8 marks)

Question 3

Describe the purposes and roles of **THREE** types of computer systems. (20 marks)

Question 4

- (a) **Explain** how to install and configure a router. (10 marks)
- (b) **Describe** the process of customising menus. (10 marks)

Question 5

- (a) **Explain** how to maintain the operating system of a computer. (10 marks)
- (b) **Describe** how to install and configure a new memory expansion. (10 marks)