



Professional Qualification in COMPUTER ENGINEERING Level 4 Diploma

UNIT 1 – COMPUTER SYSTEMS

Question 1

- (a) **Explain** what is meant by the term 'tablet computer'. (4 marks)
- (b) **Explain ONE** role of a tablet computer in a teaching environment **and ONE** role of a tablet computer in a business environment. (16 marks)

Question 2

- (a) **Explain TWO** ways in which the performance of a computer could be improved. (4 marks)
- (b) **Suggest** whether speed **or** usability is the **most** important aspect of a home office computer. **Justify** your answer. (16 marks)

Question 3

- (a) **Explain TWO** reasons **why** preventative maintenance is important to a computer system. (4 marks)
- (b) **Compare ONE** way to perform preventative maintenance on a desktop computer with **ONE** way to perform preventative maintenance a laptop. (16 marks)

Question 4

- (a) **Explain** what is meant by the term 'cookie'. (4 marks)
- (b) **Explain TWO** ways in which cookies could be used in **non-malicious** ways. (16 marks)

Question 5

Illustrate TWO differences between spyware attacks **and** virus attacks. Use examples to support your answer. (20 marks)