



# Professional Qualification in COMPUTER ENGINEERING Level 4 Diploma

## UNIT 1 – COMPUTER SYSTEMS

### Question 1

- (a) **Discuss** the reasons for the increasing complexity of computer technology. (10 marks)
- (b) **Describe** the role of mobile phones and the facilities they offer users. (10 marks)

### Question 2

- (a) **Explain** the role of technology in computer gaming. (10 marks)
- (b) **Describe** the benefits of using computer technology in the home. (10 marks)

### Question 3

- (a) **Describe** the advantages and disadvantages of using interviews and questionnaires when conducting a needs analysis for a new client. (10 marks)
- (b) **Discuss** the possible performance requirements of a new computer system that a needs analysis must ascertain. (10 marks)

### Question 4

- (a) **Describe** how to install and configure a motherboard in a new computer system. (10 marks)
- (b) **Describe** how to configure an effective desktop to meet a client's requirements. (10 marks)

### Question 5

- (a) **Describe TWO** tasks which would help prevent any possible hardware failure. (10 marks)
- (b) **Explain** the importance of keeping spyware/malware removal software up to date. (10 marks)