



Professional Qualification in COMPUTER ENGINEERING Level 4 Diploma

UNIT 2 – COMPUTER SECURITY

Question 1

- (a) **State** what is meant by the term 'Denial of Service'. (4 marks)
- (b) **Describe** TWO common attacks on website software. (8 marks)
- (c) **Explain** how a user's privacy may be attacked. (8 marks)

Question 2

- (a) **State** what is meant by the term 'malware'. (4 marks)
- (b) **Identify** FOUR types of malware and their effects. (16 marks)

Question 3

Discuss what measures a company could implement to reduce potential system vulnerabilities in a network environment. (20 marks)

Question 4

- (a) **State** what is meant by the term 'spam'. (4 marks)
- (b) **Describe** the negative effects of spam. (8 marks)
- (c) **Explain** how social engineering is used to target individuals. (8 marks)

Question 5

- (a) **Describe** the features of a strong password. (4 marks)
- (b) **Describe** techniques to strengthen passwords. (8 marks)
- (c) **Explain** how a password management tool would improve system security. (8 marks)