



## Professional Qualification in COMPUTER ENGINEERING Level 4 Diploma

### UNIT 2 – COMPUTER SECURITY

#### Question 1

- (a) **Explain** how a Denial of Service attack can have commercial consequences to an e-commerce organisation. (10 marks)
- (b) **Describe** the threats posed to an organisation by network sniffing/eavesdropping. (10 marks)

#### Question 2

- (a) **Discuss** the harm a malware attack can cause to a large e-commerce organisation. (10 marks)
- (b) **Describe TWO** ways in which an organisation would find out if they have been victims of a successful attack. (10 marks)

#### Question 3

**Describe**, with the use of examples, the features of commercially available anti-virus and website scanning software and explain how they provide protection to an e-commerce organisation. (20 marks)

#### Question 4

- (a) **Describe** how scam email content may adversely affect an organisation. (10 marks)
- (b) **Explain** how web trojans could compromise data privacy in an organisation. (10 marks)

#### Question 5

**Discuss** the importance of using password-protected levels of access to a computer system to its security, and the methods of ensuring its reliability. (20 marks)