



# Professional Qualification in COMPUTER ENGINEERING Level 4 Diploma

## UNIT 3 – MANAGEMENT OF PROJECTS

### 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)

Task	Activity	Estimated Duration
1	Redecoration of area	5 days
2	Lead time for new machine delivery	14 days
3	Re-routing of electrical supply	2 days
4	Delivery and inspection of new machine	1 day
5	Training of staff	2 days
6	Lead time for delivery of raw materials	5 days
7	Testing of new machine	2 days
8	Remove existing machinery	4 days
9	New machine construction	2 days

### 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)