**LO4 Assessment**

1. What is the correct terminology for a group of infected computers controlled by a person to commit cyber-crime?

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1. The customer database stores details about the customers, including their names and addresses.
2. Describe two security measures that would need to be put in place when securing customer data

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The retailer’s website has been flooded by malicious requests from all over the world.

1. Identify the type of attack that has taken place.

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1. Explain how the attack named above works.

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1. Describe the system vulnerabilities that may have allowed this attack to succeed.

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1. Complete the following sentence by circling **one** of **A, B, C or D**.

Unauthorised access to systems with malicious intent to steal, exploit and sell data is called

A phishing.

B ransomware.

C grey hat hacking.

D black hat hacking. [1]

1. Customers will need to enter personal details to access the mobile app.

Explain two ways current IT legislation prevents the moral and ethical misuse of this information

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1. Gamers will be given a username and password to access the specialist computers.

Describe how usernames and passwords could reduce the vulnerability of the specialist computers.

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1. Identify the legislation that relates to the misuse of personal data

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1. Pharming is one type of threat that exists when collecting data online.

What is meant by the term pharming?

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1. The charity collects data about its 500000 donors.
2. State two types of environmental vulnerabilities that could affect the stored data.

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1. Explain the financial disruption that may occur to the charity after a cyber-security attack.

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A bank operates through high street branches and online services. Most of its customers are small businesses who visit the branches and use the online services.

The bank must protect the security of customer data at all times. This involves securely destroying customer data that is no longer required.

The bank helps customers to keep their business data safe by sharing advice through its website and by providing leaflets in its branches. It also uses YouTube as a distribution channel for sharing cyber security advice with customers. These YouTube resources are accessible via links on the bank’s website.

The bank creates a monthly report on the cyber security attacks that have been identified and prevented. This report includes data on the type of cyber security attack, its seriousness, the date and time of each attack as well as the total number of attacks for that month.

There has been a recent cyber security attack on the bank. Discuss the possible financial consequences of this attack on the business customers.

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1. The bank needs to securely destroy customer data that is no longer required.

Identify and describe one physical destruction method that could be used to securely destroy customer data.

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