D1.1 – External Threats

Class Tasks

STUDENT WORKSHEET

# Class Task 1 – Viruses and Malware

## Question 1.1

What is a threat? (***1 mark***)

## Question 1.2

From the following examples, name any two non-technical threats? (***2 marks***)

* Writing your password down on a piece of paper.
* Injecting malware into a system.
* Lending someone the keycard to the server room.
* Creating a botnet.
* Launching a DDOS attack.

## Question 1.3

What is a vulnerability? **(2 marks**)

## Question 1.4

## Question 1.5

## Question 1.6

## Question 1.7

## Question 1.8

## Question 1.9

## Question 1.10

## Question 1.11

## Question 1.12

## Question 1.13

## Question 1.14

## Question 1.15

# Class Task 2 – Hackers and Accidental Damage

## Question 2.1

What is hacking? (**1 marks**)

## Question 2.2

## Question 2.3

## Question 2.4

## Question 2.5

# Class Task 3 – Social Engineering

## Question 3.1

## Question 3.2

## Question 3.3

## Question 3.4

## Question 3.5

## Question 3.6

## Question 3.7

## Question 3.8

# Class Task 4 – Natural Disasters

## Question 3.1

## Question 3.2

## Question 3.3

## Question 3.4

# Exam Style Questions

## Question 1

Explain what is meant by a ‘Threat Actor’? (**3 *marks***)

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## Question 2

DataStorm has a large CRM database that has not been updated for a while by the administrators.

Due to human error by a data engineer, some of this customer data was accidentally published to their live webserver where it was downloaded using a public API.

In this scenario, identify the Threat Actor and the Breach Point (***2 marks***)

**Threat Actor** *…………………………………………………………………………………….*

*…………………………………………………………………………………………………….*

*…………………………………………………………………………………………………….*

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*…………………………………………………………………………………………………….*

**Breach Point** *…………………………………………………………………………………….*

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## Question 3

Describe **TWO** ways in which bugs find their way into a program (4 marks)

**(1)** *……………………………………………………………………………………………….*

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**(2)** *……………………………………………………………………………………………….*

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## Question 4

## Question 5

## Question 6

## Question 7

## Question 8

## Question 9

## Question 10

## Question 11

## Question 12

## Question 13

## Question 14

## Question 15

## Question 16

## Question 17

## Question 18

## Question 19

## Question 20

## Question 21

## Question 22

*Logo, company name

Description automatically generated*

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