Name: Class:

Task 1

1. Hotels often store personal data about their guests.

(a) Give **five** items of personal data that are likely to be stored about guests on a hotel’s computer systems.

(b) Describe how a phishing attack may be able to get personal details about a hotel’s guests.

(c) The data about guests could lead to identity fraud. Give **three** ways in which a fraud may occur.

(d) What are **three** impacts to the business and individual of this fraud occurring?

|  |  |
| --- | --- |
| **Impacts on the individual** | **Impacts on the business** |
|  |  |
|  |  |
|  |  |

Task 2

Look up the following website, or search for ***Facebook phishing scams***:

<https://www.hoax-slayer.net/4-scams-that-all-facebook-users-should-know-about/>

Describe some of the possible consequences to you and your Facebook friends of falling for such a scam.

Task 3

1. Research and write notes on the impact that threats to data, information and systems can have on:

(a) **Individuals**

See, for example:

<https://www.forbes.com/sites/quora/2018/01/30/how-cyberattacks-will-affect-the-average-person-in-2018/#5ef196655efa>

(b) **Organisations**

See, for example:

<https://www.nibusinessinfo.co.uk/content/impact-cyber-attack-your-business>

(c) Now make a presentation on what you have found out.

Task 4

Carry out some research on the Internet to find out about the economic impact on companies of employees losing their laptops. How can the impact be reduced?

Task 5

Answer the following questions about a Denial of Service attack.

(a) What is a DoS attack?

(b) Who is typically targeted?

(c) What are the consequences to an organisation of a DoS attack?

**Task 6**

An Austrian hotel suffered four ransomware attacks between 2016 and January 2017.

Read the following BBC news report about the attack: <https://www.bbc.co.uk/news/business-42352326> and answer the following questions based on it.

(a) How was the ransomware attack initiated?

(b) What did the ransomware attack hold ransom?

(c) How much ransom needed to be paid?

(d) What actions have been taken to reduce the risks of this happening again?

(e) The BBC article reports that the “hotel’s electronic door locks… were hacked for ransom” The headline also states “Locked out”.

Read the article at: <https://www.wired.co.uk/article/austria-hotel-ransomware-true-doors-lock-hackers>

What is a more accurate description of what happened with respect to rooms?