Name: Class:

Task 1

1. List **five** different ways that companies and websites can collect data.

1.

2.

3.

4.

5.

2. Which law protects the personal data that is collected?

3. There are six possible reasons that companies or organisations can have for processing data.

List **three** of these reasons below.

Reason 1

Reason 2

Reason 3

4. List **three** rights that the Data Protection Act (2018) gives you.

1.

2.

3.

5. The majority of websites today make use of cookies. They can be used to track users through the website, through other sites and for the website to function correctly.

Go to <https://www.cookieserve.com/>. Search for three different websites. For each website, in the table below, note down some of the more interesting cookies and what they are used for.

The first row has been completed as an example.

|  |  |  |
| --- | --- | --- |
| **Website** | **Cookies** | **What they are used for** |
| <https://www.google.com> | 1P\_JAR  OGPC | 1P\_JAR - Advertising – store recent searches and interactions with advertisements – used to give personalised adverts  OGPC - Stores user preferences |
|  |  |  |
|  |  |  |
|  |  |  |

Task 2

1. The Computer Misuse Act recognises the following offences:

* 1. Unauthorised access to computer material
  2. Unauthorised access with intent to commit or facilitate a crime
  3. Unauthorised modification of computer material
  4. Making, supplying or obtaining anything which can be used in computer misuse offences

(a) A hacker creates a software program that carries out a brute-force attack on a website. The program tries every combination of password for a username until it gains access to the website for the hacker.

Which clauses of The Computer Misuse Act has the hacker broken?

(b) Which clause makes it illegal to use someone else’s password to access their user area without their permission?

2. A local community centre wishes to encourage children to read. They have realised that it would be cheaper to photocopy the children’s books than to buy the originals.

(a) Which law prevents them from doing this?

(b) What are the maximum penalties that they could receive if they did this?

Task 3

1. The table below lists eight commonly used software products. For each product tick whether it is open source or proprietary.

|  |  |  |
| --- | --- | --- |
| **Software product** | **Open source** | **Proprietary** |
| Microsoft Windows |  |  |
| Mozilla Firefox |  |  |
| Adobe Photoshop |  |  |
| Audacity |  |  |
| Apple iOS |  |  |
| Star Wars Jedi: Fallen Order (Electronic Arts) |  |  |
| Libre Office |  |  |
| GIMP |  |  |

2. Italy’s Ministry of Defence has replaced Microsoft Office with Libre Office on over 100,000 computers.

What are **three** reasons they are likely to have made this decision?