



2. Nov/2021/Paper\_11/No.11

Many young people play online games. One problem with online gaming is that it is easy to give out personal details accidentally. Some users create weak passwords which could lead to their personal details being accessed.

(a) Name **two** pieces of personal data that could be accessed.

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2 .....

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[2]

(b) Write down **three** rules that should be applied when setting a strong password.

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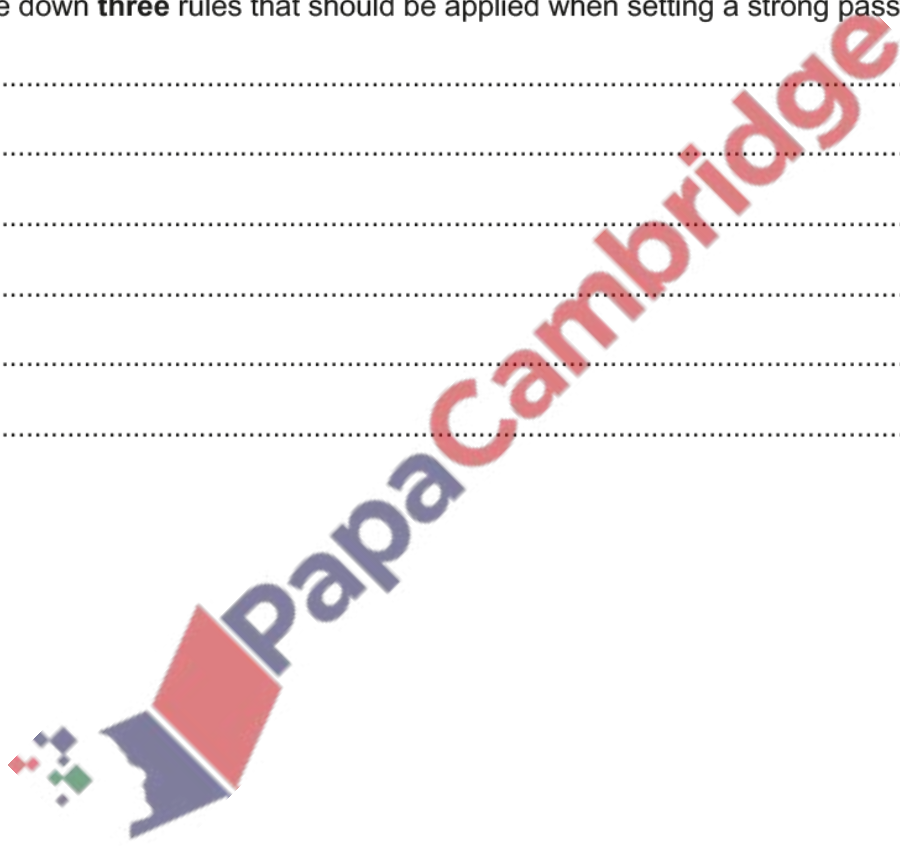
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[3]









6. Nov/2021/Paper\_13/No.7c

Transactions with the bank's website use a variety of technologies including SSL.

(c) Explain what is meant by SSL. Include in your answer why SSL is used.

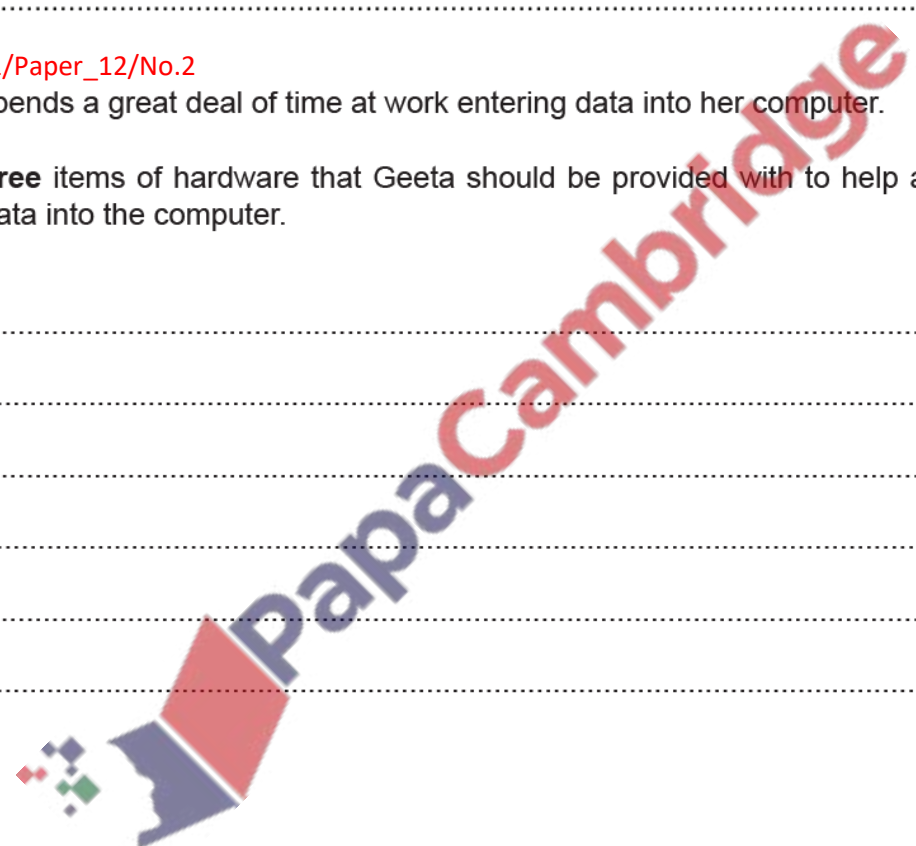
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7. Mar/2021/Paper\_12/No.2

Geeta spends a great deal of time at work entering data into her computer.

State **three** items of hardware that Geeta should be provided with to help avoid RSI when she enters data into the computer.

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2 .....  
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[3]

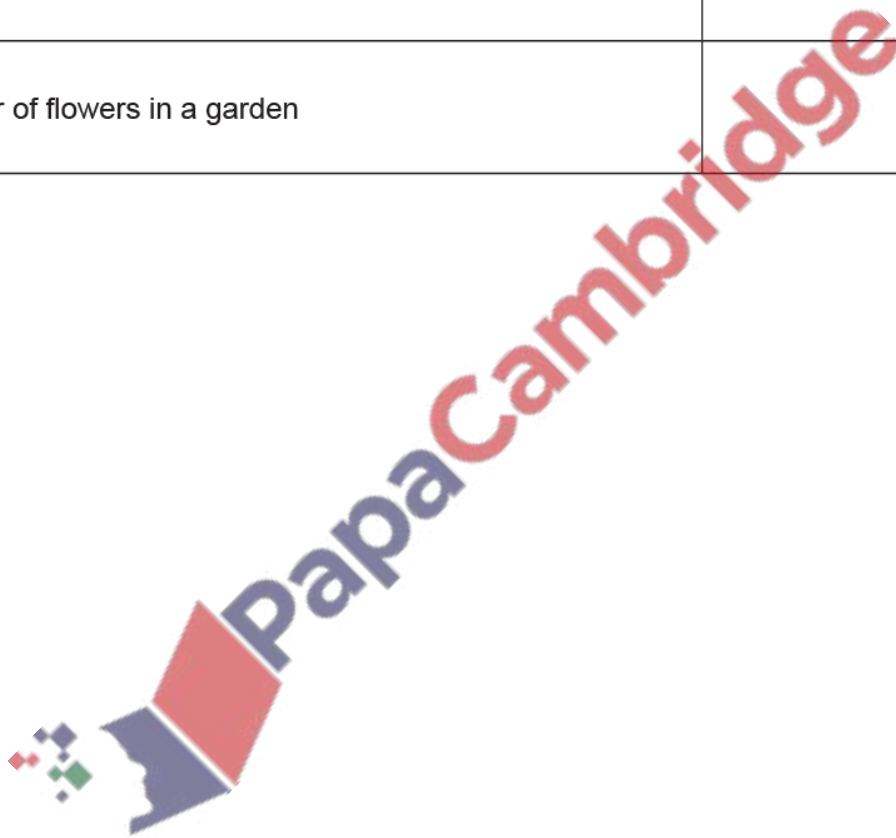


9. June/2021/Paper\_11/No.1

Tick (✓) whether the following are examples of personal data.

|                               | Yes<br>(✓) | No<br>(✓) |
|-------------------------------|------------|-----------|
| Full name                     |            |           |
| Capital of England            |            |           |
| Gender                        |            |           |
| Number of flowers in a garden |            |           |

[2]





10. June/2021/Paper\_11/No.11

Data stored on a computer system is at risk of being hacked.

- (a) Explain what is meant by the term hacking. Include in your answer **two** examples of the effects this can have on the computer system.

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[3]

- (b) Describe **three** measures that could be taken to protect the data from being hacked.

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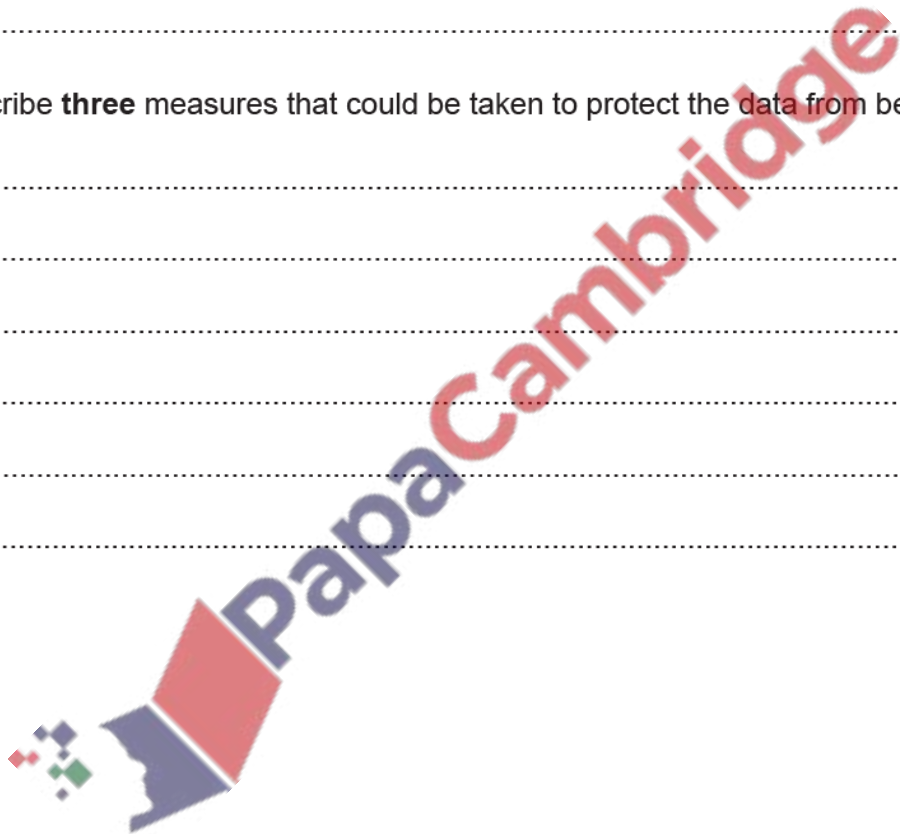
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[3]



11. June/2021/Paper\_12/No.4

Complete the sentences below using the most appropriate word from the list.

- |          |         |          |          |
|----------|---------|----------|----------|
| cookies  | hacking | pharming | phishing |
| smishing | spam    | spyware  | virus    |

(a) The act of gaining unauthorised access to a computer system is called

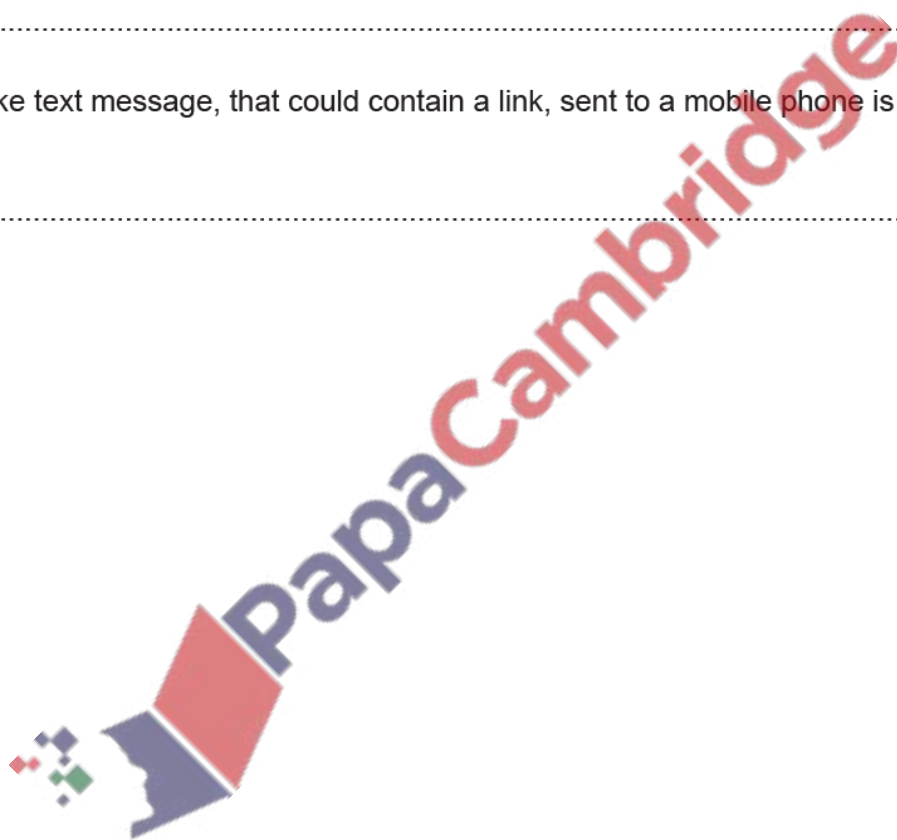
..... [1]

(b) The software that gathers data by monitoring key presses on a user's keyboard is called

..... [1]

(c) A fake text message, that could contain a link, sent to a mobile phone is called

..... [1]









16. Nov/2020/Paper\_11/No.12b

A teacher is teaching students about history using a virtual reality (VR) system.

(a) Identify **three** devices that could be used with a VR system.

- 1 .....
- 2 .....
- 3 ..... [3]

(b) The teacher carefully monitors the students' use of the VR system. She only allows them 20 minutes on the device before taking a break. This is to ensure that they remain healthy whilst using it.

Identify **three** health problems associated with the prolonged use of VR systems.

- Problem 1 .....
- .....
- Problem 2 .....
- .....
- Problem 3 .....
- ..... [3]

17. Nov/2020/Paper\_12/No.8c

(c) Smishing, pharming and phishing are three security threats that can occur when using the internet for shopping.

Tick (✓) whether the following statements refer to **pharming**, **phishing** or **smishing**.

|  | pharming<br>(✓) | phishing<br>(✓) | smishing<br>(✓) |
|--|-----------------|-----------------|-----------------|
| Fake emails are sent to target users                             |                 |                 |                 |
| When the user types in a URL they are directed to a fake website |                 |                 |                 |
| Malicious code is installed on the user's computer               |                 |                 |                 |
| Fake text messages are sent to the user's phone                  |                 |                 |                 |

[4]

18. Nov/2020/Paper\_12/No.11

For each of the following pieces of hardware, explain the strategies you would use to help minimise health problems.

(a) Monitor .....

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(b) Keyboard .....

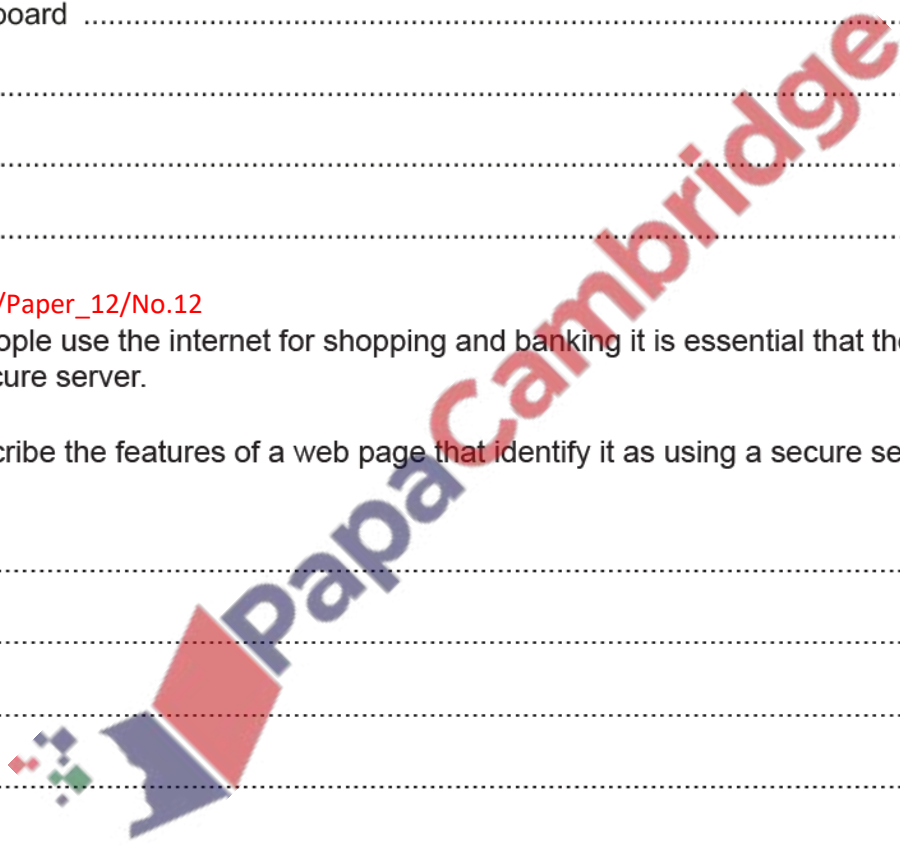
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19. Mar/2020/Paper\_12/No.12

When people use the internet for shopping and banking it is essential that they use a website that has a secure server.

(a) Describe the features of a web page that identify it as using a secure server.

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20. June/2020/Paper\_11/No.5

Phishing and pharming can affect the security of a user’s data.

(a) Compare and contrast phishing and pharming.

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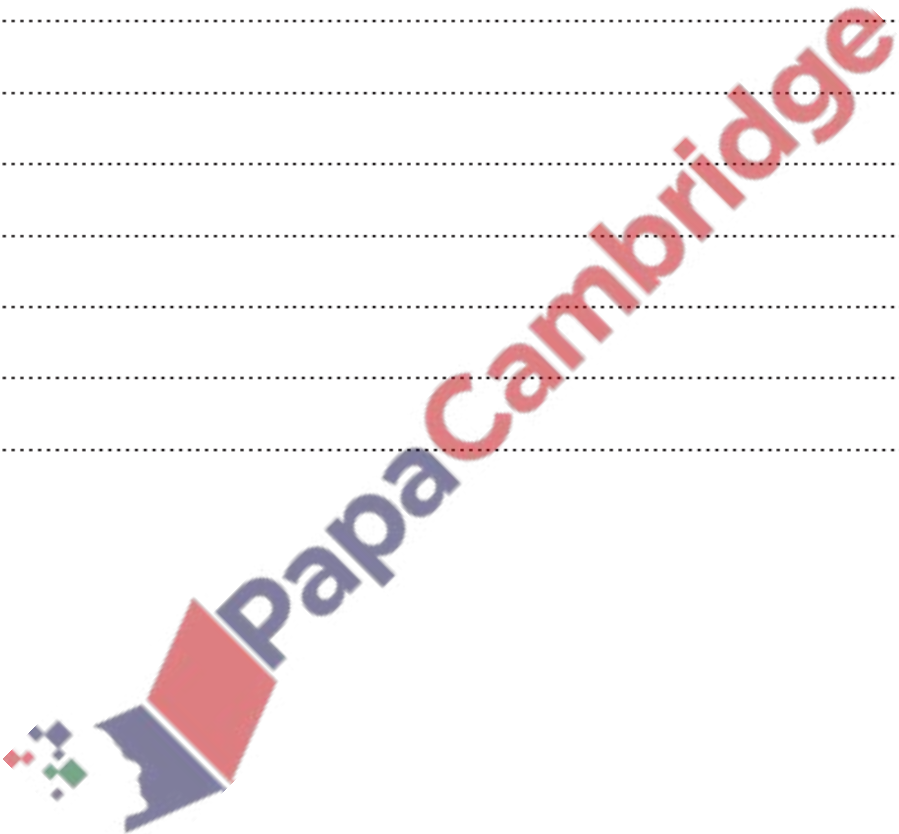
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(b) Smishing is another security issue. Describe the methods which can be used to help prevent smishing.

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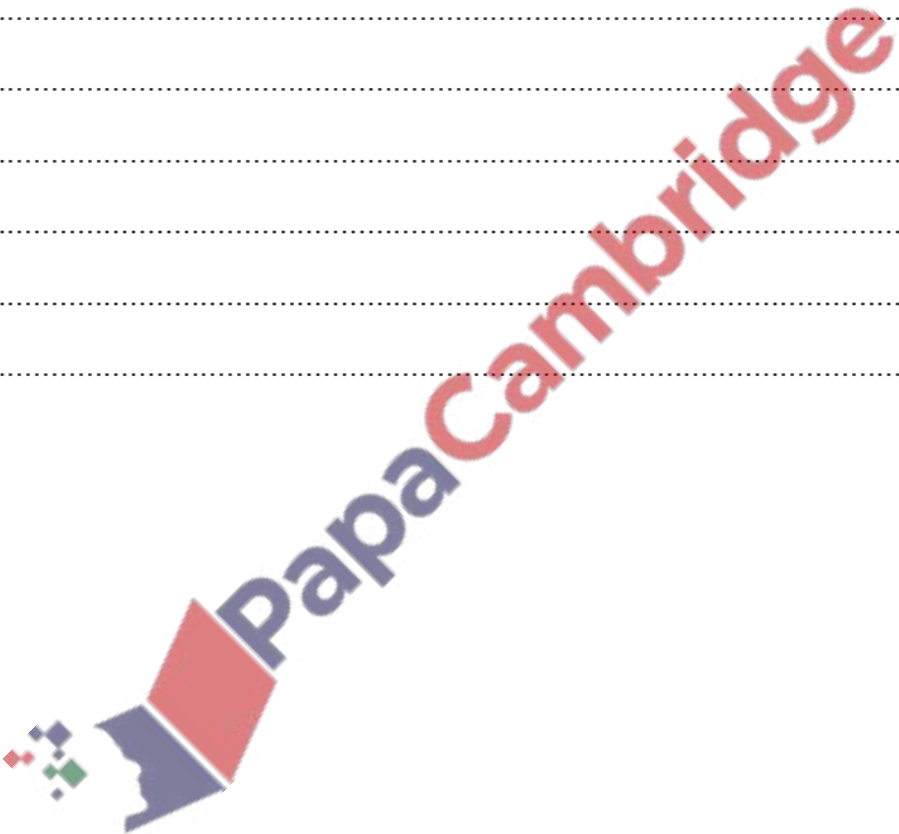
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[6]



21. June/2020/Paper\_11/No.8

Following recent data protection issues the personal data we allow organisations to share about us may be reduced.

(a) Discuss the benefits and drawbacks of trying to keep personal data confidential and secure.

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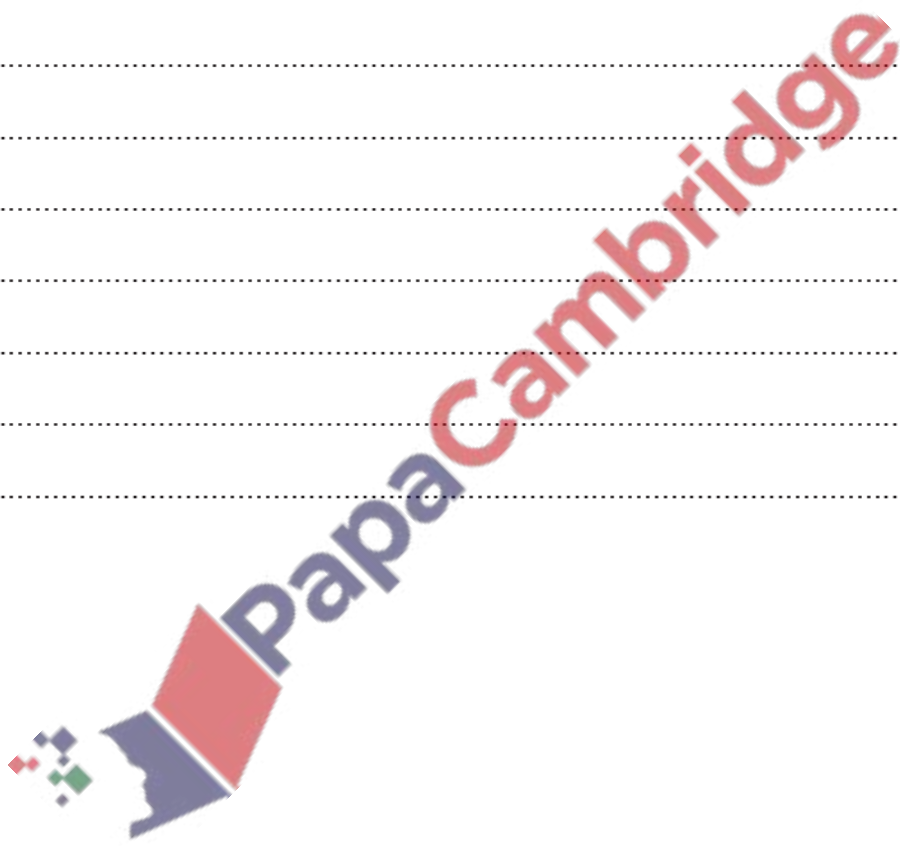
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[6]



(b) The sharing of email addresses can lead to spam.

Explain what is meant by the term spam email.

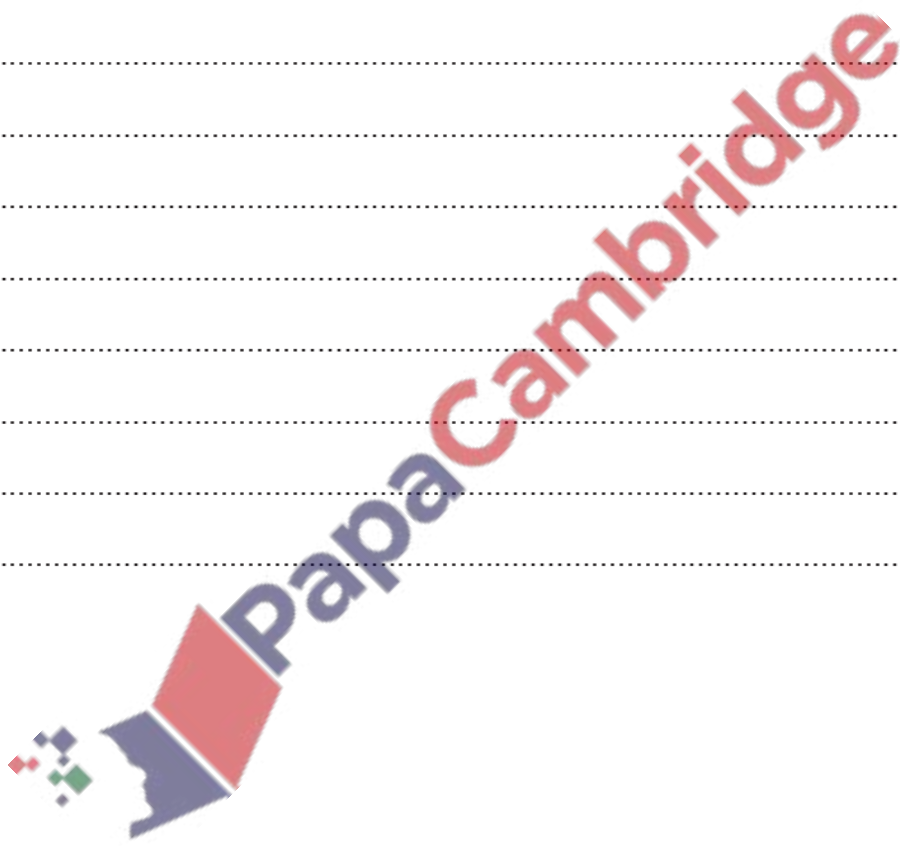
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(c) Explain why spam email should be prevented.

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[4]



22. **June/2020/Paper\_11/No.12**

The way we buy products using credit cards has changed in recent years. Originally the magnetic stripe on the back of the card was used with a signature. Then chip and PIN methods were used, and more recently contactless methods have been introduced.

Discuss the effectiveness of using these different methods to improve security when paying for goods.

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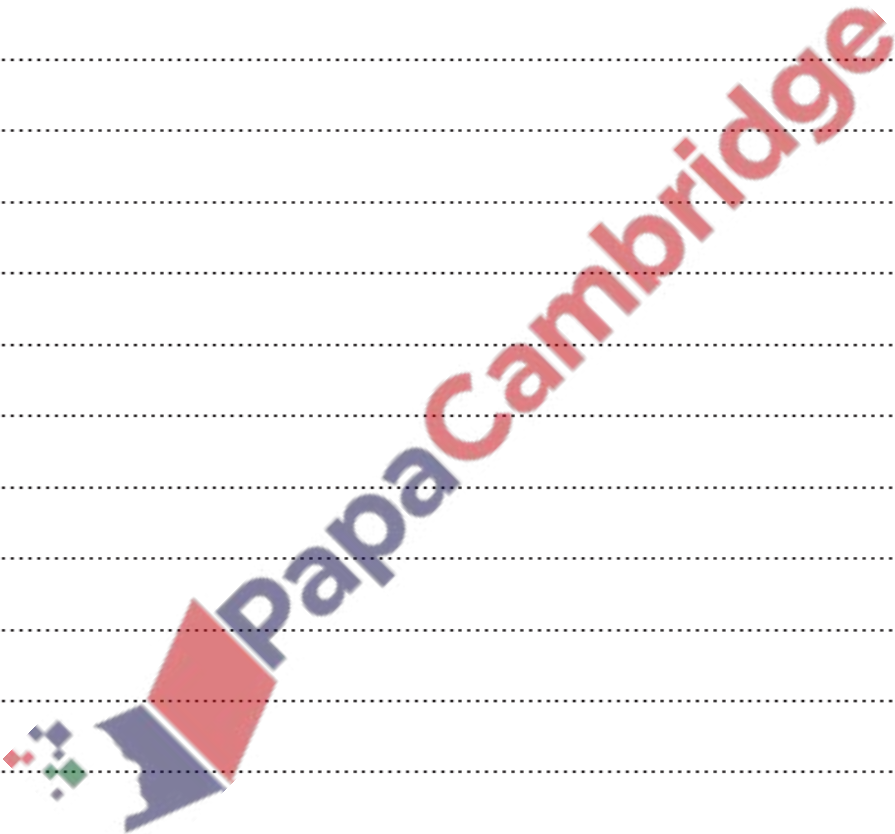
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[8]

**23.** June/2020/Paper\_12/No.6

Smishing and phishing can affect the security of a user's data.

(a) Compare and contrast smishing and phishing.

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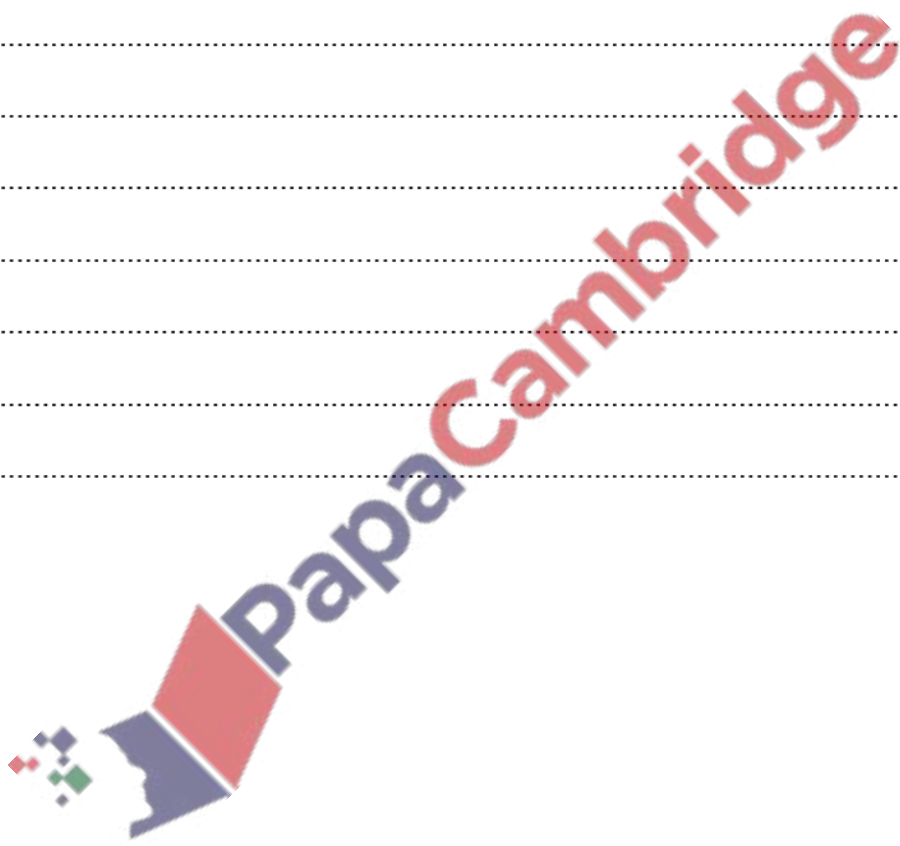
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[6]



(b) Describe the methods which can be used to help prevent phishing.

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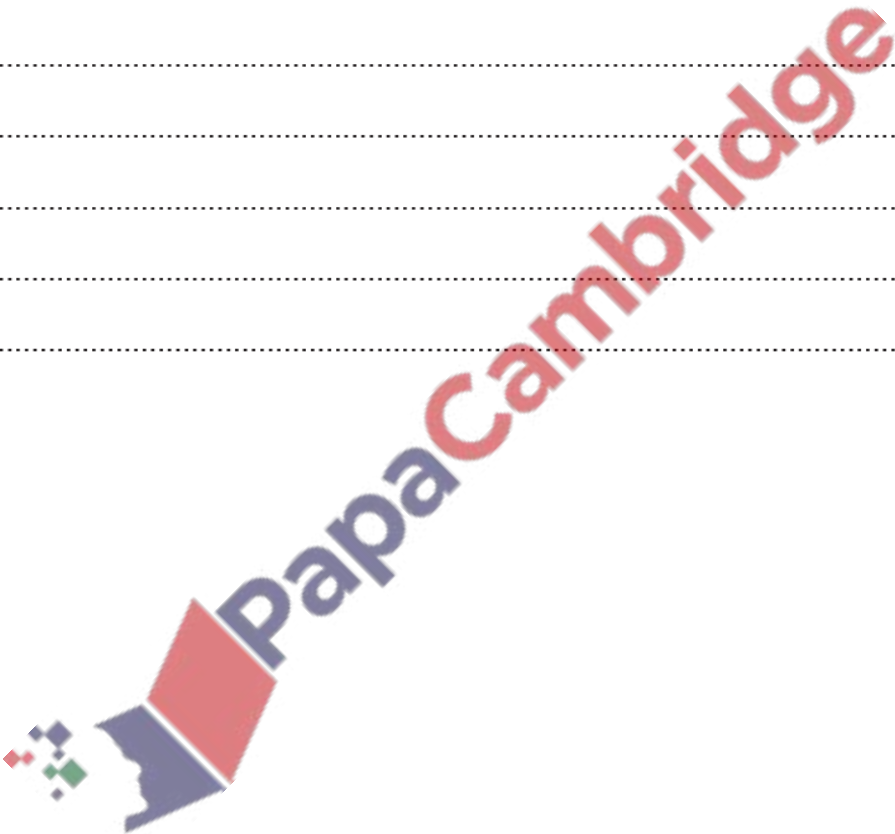
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[6]



24. June/2020/Paper\_12/No.12

(a) Describe repetitive strain injury (RSI) and explain what causes it.

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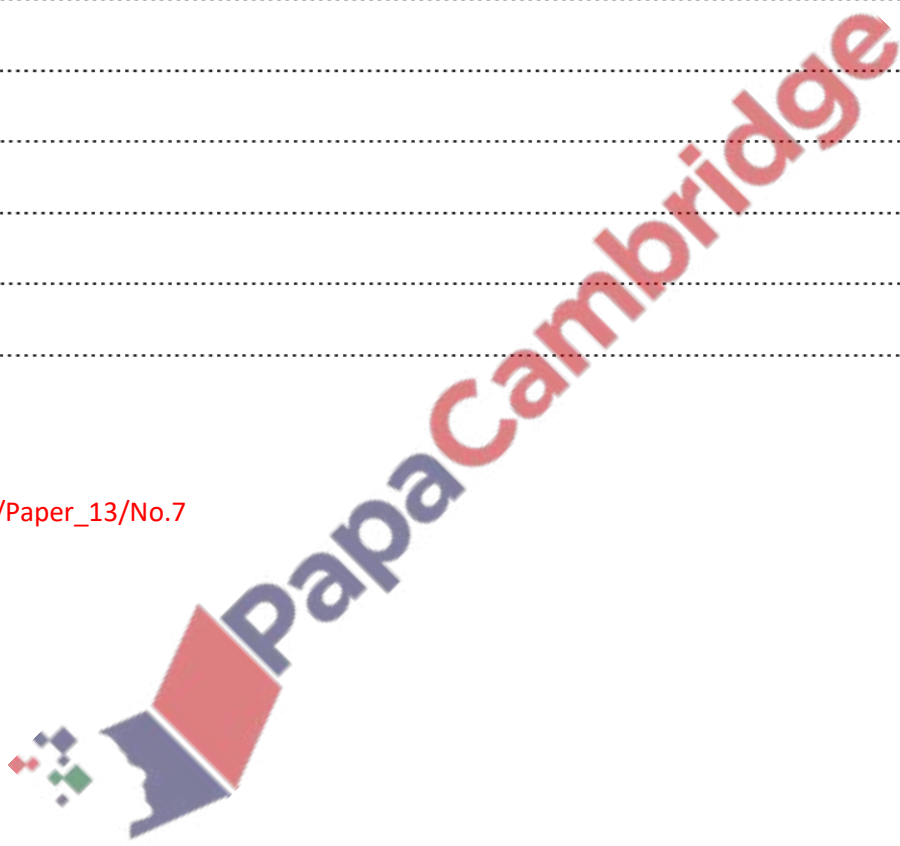
[2]

(b) Give **three** ways of minimising the risk of RSI.

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3.....  
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[3]

25. June/2020/Paper\_13/No.7







- (b) Facial recognition is an example of biometrics. Direct data entry devices can be in three forms. One is biometrics. The second is contactless where the item being read does not touch the reader. The third is physical where the item being read does touch the reader.

Tick (✓) whether the following are the most appropriate examples of biometrics or contactless or physical direct data entry.

|                   | <b>biometrics<br/>(✓)</b> | <b>contactless<br/>(✓)</b> | <b>physical<br/>(✓)</b> |
|-------------------|---------------------------|----------------------------|-------------------------|
| RFID              |                           |                            |                         |
| Magnetic stripe   |                           |                            |                         |
| Retina scan       |                           |                            |                         |
| Voice recognition |                           |                            |                         |

[4]

