

Safety and security – 2022 ICT IGCSE 0417

1. **March/2022/Paper_12/No.9(d)**

(d) The office must be a safe working environment.

State **two** physical safety issues that might exist from the introduction of computers.

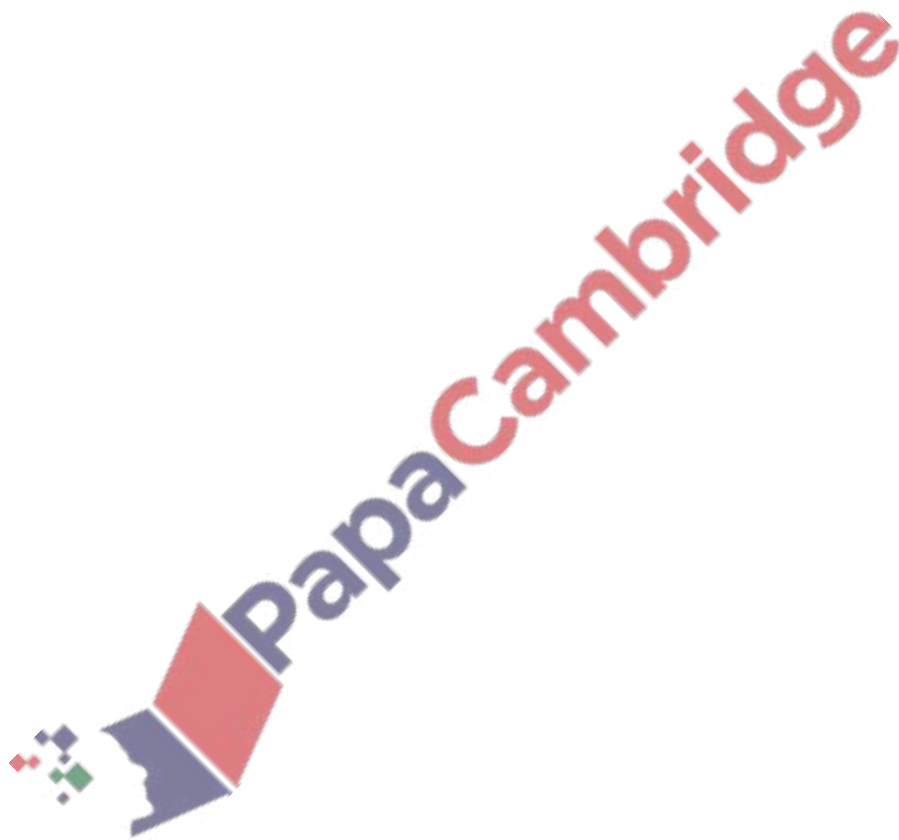
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2. June/2022/Paper_11/No.12

Many company computer network systems use WiFi as a communication system to help prevent the issue of tripping over trailing cables.

(a) For each of the following physical safety issues describe **two** ways of helping to prevent them.

(i) Fire

Prevention 1

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Prevention 2

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[2]

(ii) Electrocutation

Prevention 1

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Prevention 2

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A common use of home computers is online gaming.

(b) Describe **three** eSafety measures which should be taken when playing games on the internet.

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(c) In order to log onto online gaming a user ID and password is needed.

Explain what is meant by a user ID and password and why they are needed.

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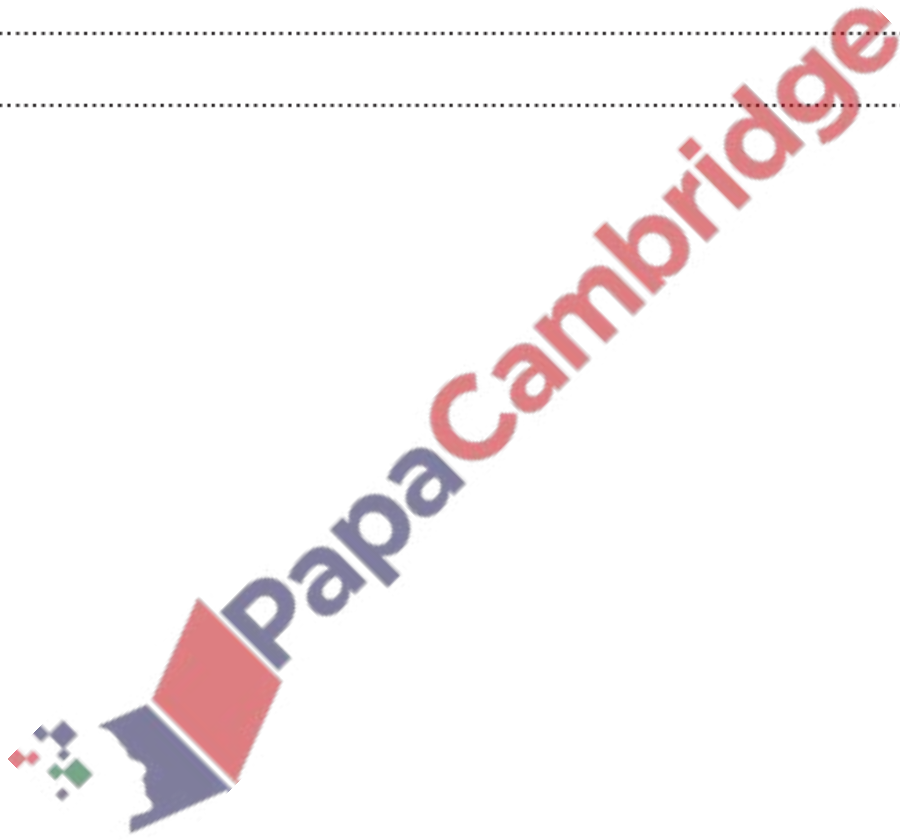
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3. June/2022/Paper_11/No.13

(a) Explain the need for copyright legislation when data is published on the internet.

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(b) Describe methods that software producers use to prevent software copyright being broken.

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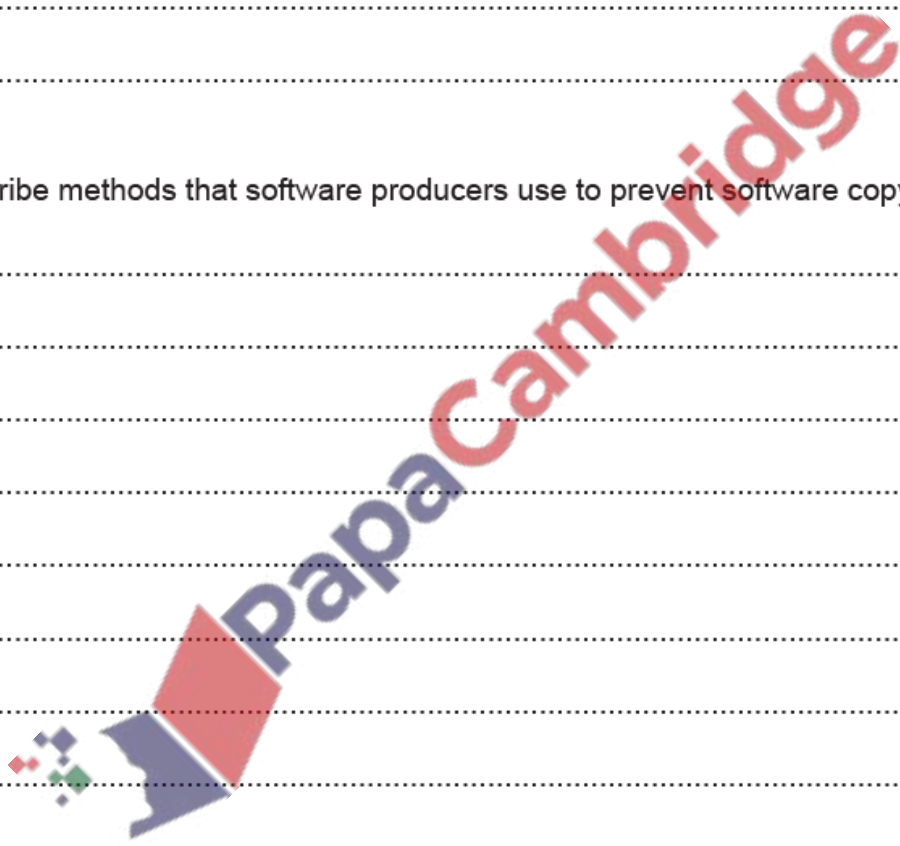
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(c) Emails are used by people to communicate with each other. Copyright and using acceptable language in the email are two of the constraints that affect the use of email.

(i) Describe **four** other constraints that may affect the use of email.

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(ii) Describe **two** rules of the use of acceptable language in emails.

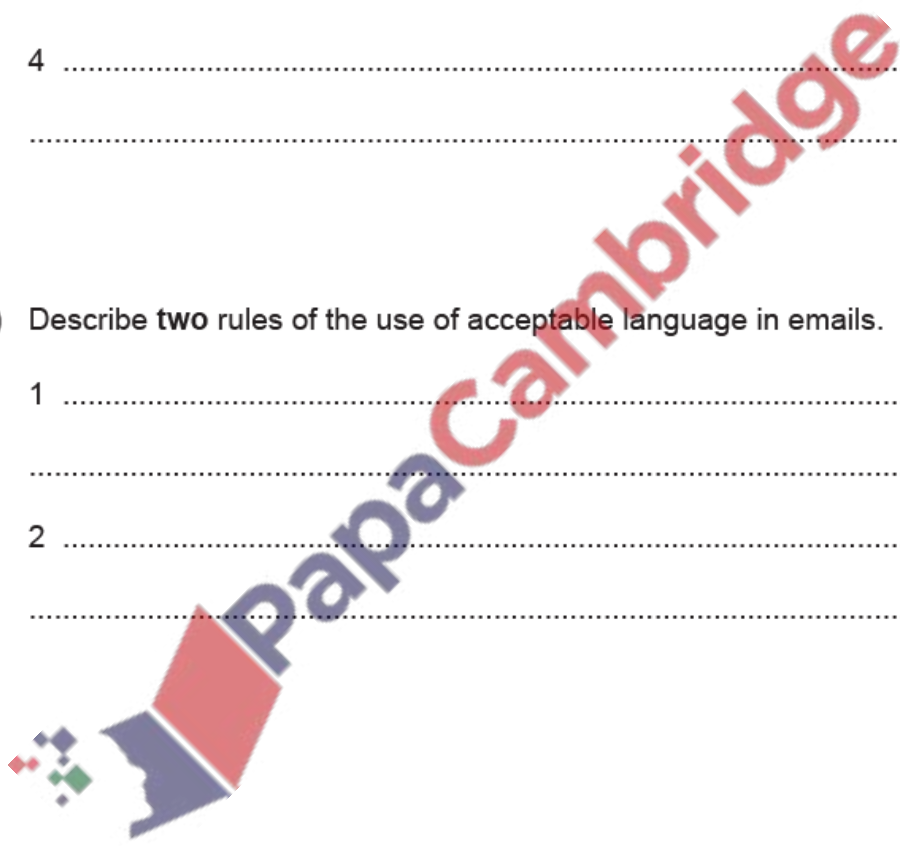
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(c) Explain why personal data should be kept confidential and secure.

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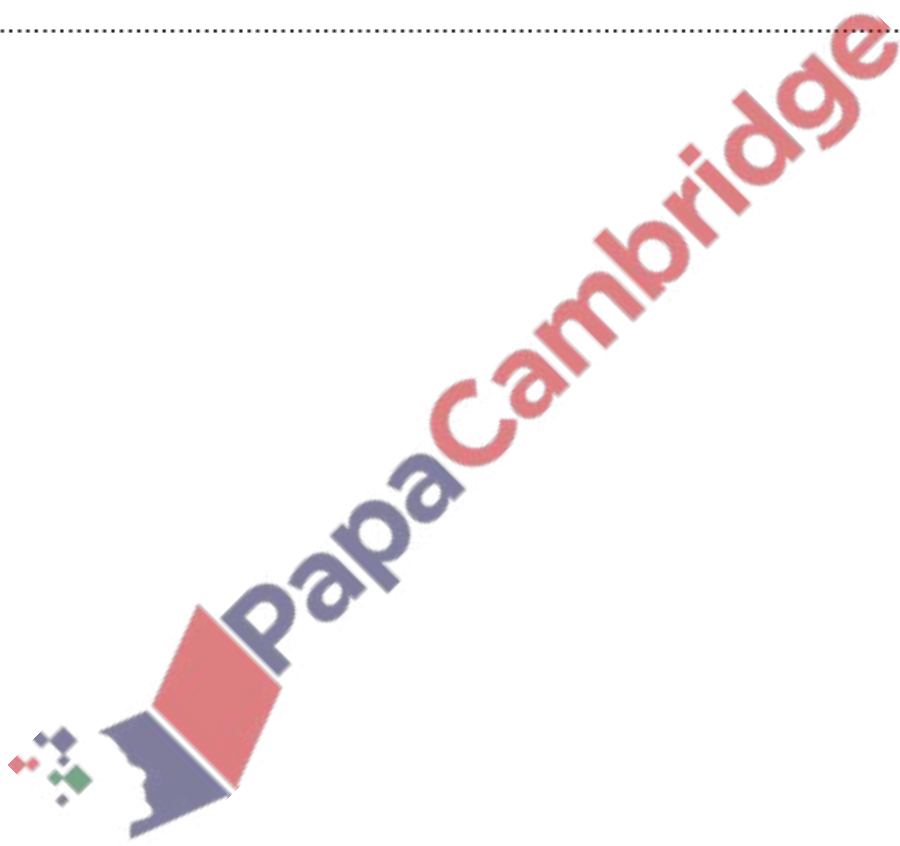
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7. June/2022/Paper_13/No.12

The protection of personal data is important as many transactions are carried out online.

(a) Explain how to avoid inappropriate disclosure of personal data.

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(b) Controlling the freedom of speech is part of policing the internet.

Discuss whether the internet should be policed or not.

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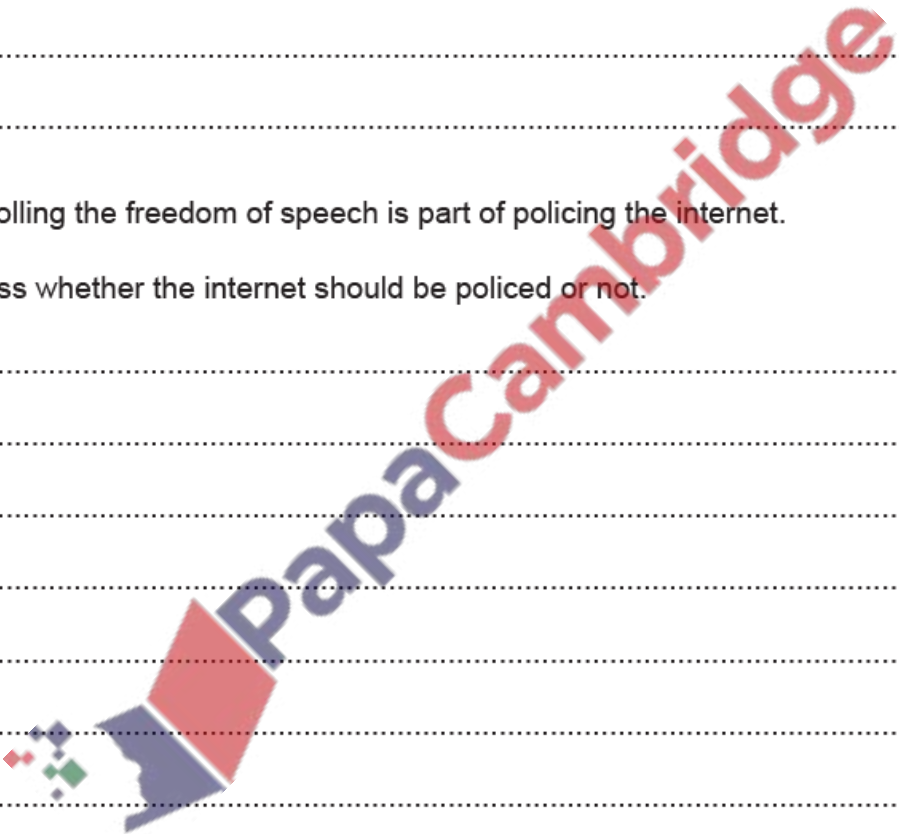
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8. Nov/2022/Paper_11/No.3

According to research carried out on passwords the top three most used passwords are 12345, qwerty and sunshine.

Describe, using other examples, the difference between a weak password and a strong password.

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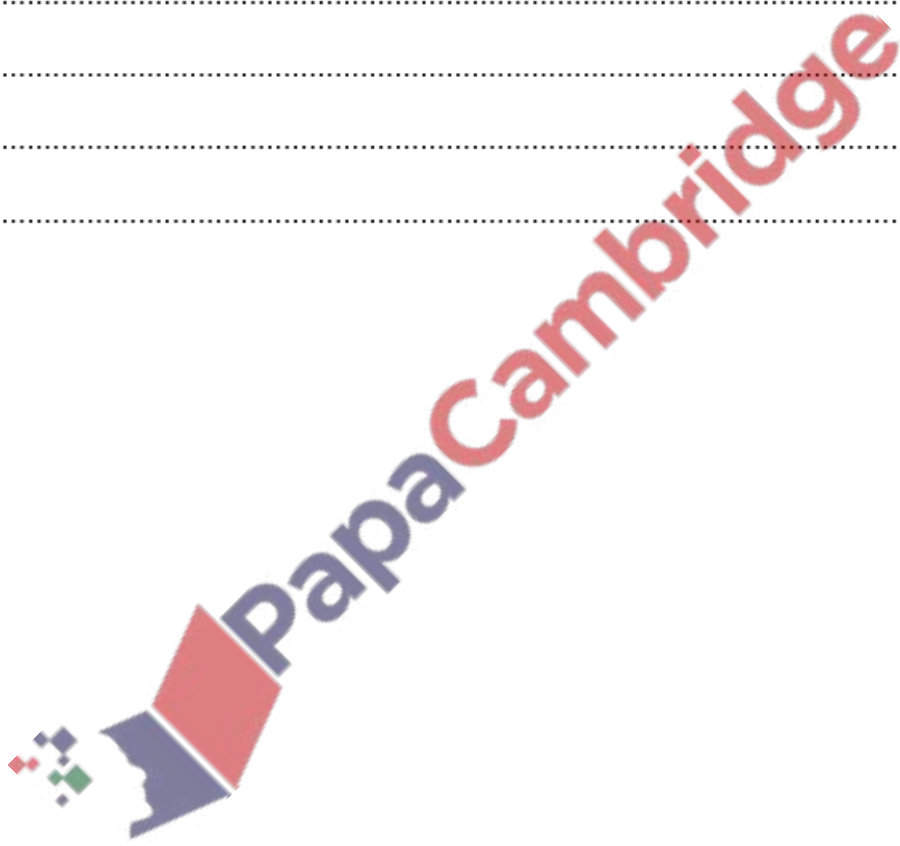
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12. Nov/2022/Paper_12/No.4

Workers in an office log onto the office computer network using a password.

(a) Aaron is using his name as his password.

Give **two** reasons why this is **not** a good idea.

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(b) One method that hackers use to find people's passwords is to install key-logging spyware onto computers.

Give **two** methods that could be used to safely enter passwords even if key-logging spyware has been installed on a computer.

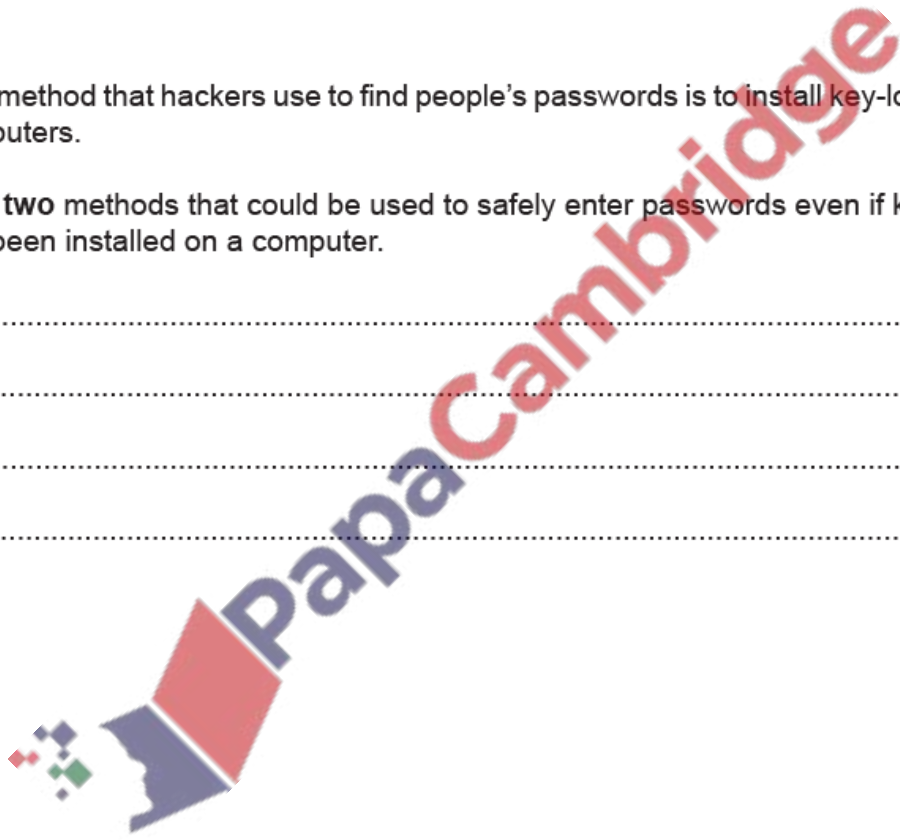
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16. Nov/2022/Paper_13/No.15(b)

(b) Describe what is meant by the term encryption and why it is used.

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