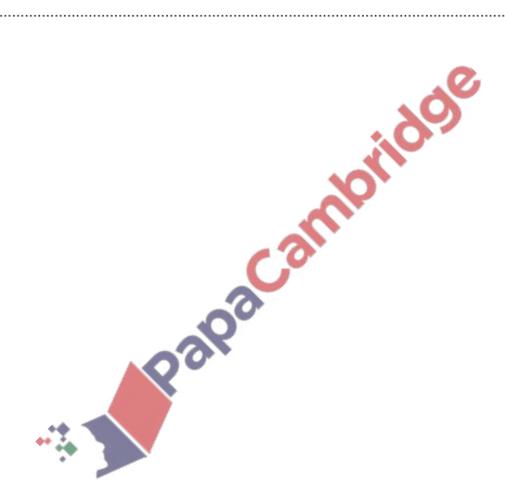
Safety and security – 2022 ICT IGCSE 0417

- 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.
1
2

[2]



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	
		Prevention 2	
			[2]
			[-]
	(ii)	Electrocution	
		Prevention 1	
		Prevention 2	
		Co	
			[2]
A co	ommon	use of home computers is online gaming.	
(b)	Descr	ibe three eSafety measures which should be taken when playing games on the inter	net.
	1	***	
	2		
	3		
	J		
			[3]

(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.	
	Aoalpa Caltholio	[4]
	···	

3.	June	/2022/Paper_11/No.13	
	(a)	Explain the need for copyright legislation when data is published on the internet.	
			[4]
	(b)	Describe methods that software producers use to prevent software copyright being broke	n.
	` '		
		<u> </u>	
			[4]

(c)	(c) Emails are used by people to communicate with each other. Copyright and using acceptate 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.		
		1		
		2		
		3		
		4		
			[4]	
	(ii)	Describe two rules of the use of acceptable language in emails.		
		1		
		2		
			[2]	
	•			

4.	June	/2022	/Paper_	12	/No.7

A patient has an injury and the doctor treating him needs to find out information about the patient. Most of the data he needs to collect is personal data.

The data collected is protected by data protection legislation. Most data protection acts include the principle that data should be kept confidential and secure.

(a)	List four other principles of a typical data protection act.	
	1	
	2	
	-	
	3	
	4	
	Call	[4]
(b)	Explain what is meant by personal data. Include two examples of personal data in your answ	νer.
	Explanation	
	Example 1	
	Example 2	
		[3]
		[-]

(c)	Explain why personal data should be kept confidential and secure.	
		[4]
	Palpacamoridos	

Explain what is meant by the term spam.	
	[2]
Describe the ways that a user can recognise spam and methods to help prevent it.	
200	
100	
	[6]
	Explain what is meant by the term spam. Describe the ways that a user can recognise spam and methods to help prevent it.

5. June/2022/Paper_12/No.14

Spam is associated with ICT systems.

6.		2/2022/Paper_12/No.15	
	(a)	Explain what is meant by cloud storage and how it is used.	
			[6]
	(b)	Describe two issues related to the security of data in the cloud.	
		1	
		2	

			[2]

The	e protection of personal data is important as many transactions are carried out online.	
(a)	Explain how to avoid inappropriate disclosure of personal data.	
		[4]
(b)	Controlling the freedom of speech is part of policing the internet.	
	Discuss whether the internet should be policed or not.	
		Γ Δ

7. June/2022/Paper_13/No.12

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.
Palpa Califilation (4)

8. Nov/2022/Paper_11/No.3

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Y	'. [Nov.	/2022	/Paper	11	/No 6
•	•	,	2022	, i apci	/	

There have been major issues regarding the accuracy of facial recognition systems for identifying suspects by the police.

Tawara Airport has installed biometric security including facial recognition systems to help the police recognise known criminals entering and leaving the country. Previously video was taken of all passengers and then checked manually.

(a)	Discuss the effectiveness of using facial recognition systems rather than the manual visystem to increase security in this way.	deo
	100	
		[8]

1	
2	
3	
	[3]
10. Nov/2022/Paper_11/No.7 Instant messaging involves users sending text messages to each other.	
Evaluate how you would use eSafety strategies in your own use of instant messaging.	
	[6]

(b) Give three examples of biometric data.

 Nov/2022/Paper_11/No 	.11(b)	
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Due to data protection laws, personal data should be kept confidential and secure.

(b)	Explain why personal data should be kept confidential and secure.	
		[6]
	Pag.	

12. Nov/2022/Paper_12/No.4

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

Aaron is using his name as his password.	
Give two reasons why this is not a good idea.	
1	
2	
	[2]
One method that hackers use to find people's passwords is to install key-logging spyware o computers.	nto
Give two methods that could be used to safely enter passwords even if key-logging spyw has been installed on a computer.	are
1	
2	
· ii J	[2]
	Give two reasons why this is not a good idea. 1

13.	Nov	/2022	/Paper	12	/No.9	(c)
ı U.	INUV	12022	/ raper		/ 140.51	C)

As our use of the cloud increases, new ways of accessing it safely need to be developed.

(c)	The use of typed passwords is being replaced by biometric methods.		
	Discuss the benefits and drawbacks of using biometric methods.		
	60		
	-0		
	~0		
	V 0.0.		
	•••	[8]	
		r-1	

14	Nov	/2022	/Paper	12	/No 8
14.	INOV	/ 2022	/Paper	13	6.UVI /

An organisation has changed the way in which members of staff can enter the building. Previously they typed in a four-digit code on a key pad; now they use a device that reads a handprint.

(a)	Discuss the effectiveness of using a handprint to enter the building rather than keying code.	in a
		[8]
Har	adprint scans are an example of a biometric method to enter a building.	
(b)	Give two other examples of biometric methods that could be used in this scenario.	
	1	
	2	

[2]

15. Nov/2022/Paper_13/No.13
A teacher is concerned that

A teacher is concerned that students are playing online computer games at home without considering eSafety. The teacher is going to create a set of rules that he feels they should be following.

Write down a list of eSafety rules that he could include.	
C	[6]
Palpa	1-1

16. Nov/2022/Paper 13/No.15(b)

Describe what is meant by the term encryption and why it is used.	
	[3]

