

Types and components of computer systems – 2021/20 IGCSE 0417

1. **Nov/2021/Paper_11/No.1**

A computer consists of both hardware and software.

(a) Define the term hardware.

.....
..... [1]

(b) Give **two** examples of internal hardware devices.

1
2 [2]

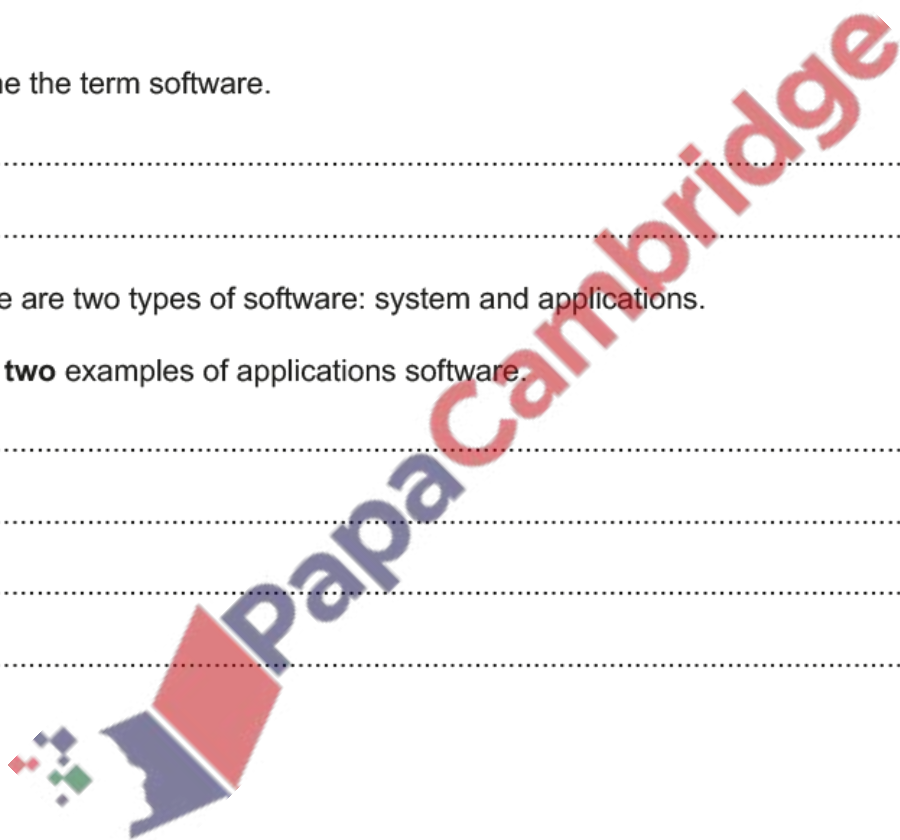
(c) Define the term software.

.....
..... [1]

(d) There are two types of software: system and applications.

Give **two** examples of applications software.

1
.....
2
..... [2]



2. Nov/2021/Paper_11/No.3

Describe **two** advantages of using a tablet computer rather than a laptop computer.

1

.....

2

.....

[2]

3. Nov/2021/Paper_12/No.1

A computer consists of both hardware and software.

(a) Give **two** examples of input devices which are part of a laptop computer.

1

2

[2]

(b) There are two types of software: system and applications.

Give **two** examples of system software.

1

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2

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[2]

4. Nov/2021/Paper_12/No.3

(a) Describe **two** disadvantages of using a tablet computer rather than a laptop computer.

1

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2

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[2]

(b) Modern computers often do not have an optical drive.

State **two** ways music can be transferred onto a computer that does not contain an optical drive.

1

.....

2

.....

[2]

5. Mar/2021/Paper_12/No.1

Tick (✓) whether the following are examples of internal or external hardware devices.

	internal (✓)	external (✓)
Mouse		
Video card		
Printer		
Actuator		

[2]

6. June/2021/Paper_11/No.3

Describe **four** characteristics of a tablet computer.

1.....
.....
2.....
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3.....
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4.....
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[4]

7. June/2021/Paper_12/No.2b

(b) One of the uses of a smartphone is the sending and receiving of emails.

Describe **four** other uses of a smartphone.

1.....
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2.....
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3.....
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4.....
.....

[4]

10. Nov/2020/Paper_13/No.1

A desktop computer consists of both hardware and software. The software is either applications software or system software.

(a) Tick (✓) whether the following are examples of **applications** software or **system** software.

	applications (✓)	system (✓)
Measurement software		
Linker		
Database		
Utility software		

[2]

(b) Identify **two** internal items of hardware that could be found in a desktop computer.

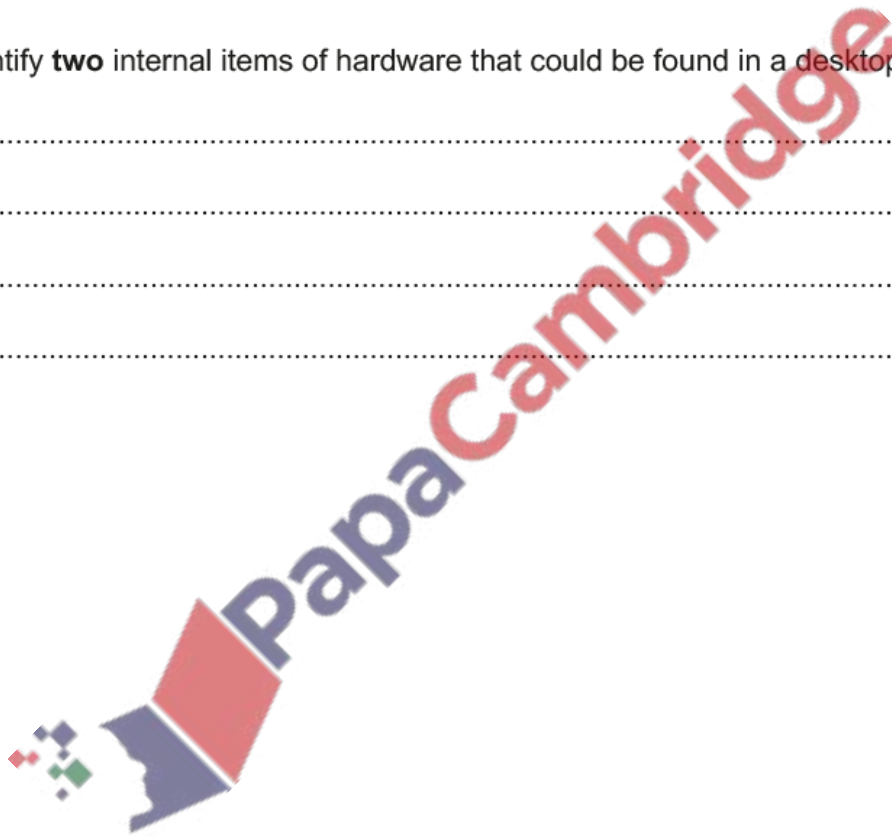
1

.....

2

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[2]



11. Mar/2020/Paper_12/No.4

Smart technology is increasingly being used in everyday life. Many people are now using smart devices such as smartwatches.

(a) Tick (✓) whether the following statements most appropriately refer to a **desktop computer**, a **tablet computer** or a **smartwatch**.

	desktop computer (✓)	tablet computer (✓)	smartwatch (✓)
A computer made up of separate units			
Is an example of wearable technology			
A portable device that allows text to be typed relatively easily			
Most easily used for fitness and health monitoring by runners			

[4]

(b) Smartphones are more likely to be used than laptop computers for everyday ICT use.

Describe **three** advantages of using a smartphone rather than a laptop computer.

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2.....
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3.....
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[3]

12. June/2020/Paper_11/No.1

A computer consists of both hardware and software.

(a) Define the term software.

.....
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[2]

(b) There are two types of software.

Identify the types.

1.....
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2.....
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[2]

13. June/2020/Paper_11/No.2

Tick (✓) whether the following statements refer to a Command Line Interface (CLI) or a Graphical User Interface (GUI).

	CLI (✓)	GUI (✓)
The user has to type in every instruction		
The user does not need to learn any of the instructions		
Each instruction has to be typed in correctly		
The user is in direct communication with the computer		

[2]

14. June/2020/Paper_11/No.3

Every computer contains input and output devices and a central processing unit (CPU).

(a) Describe the CPU including its role.

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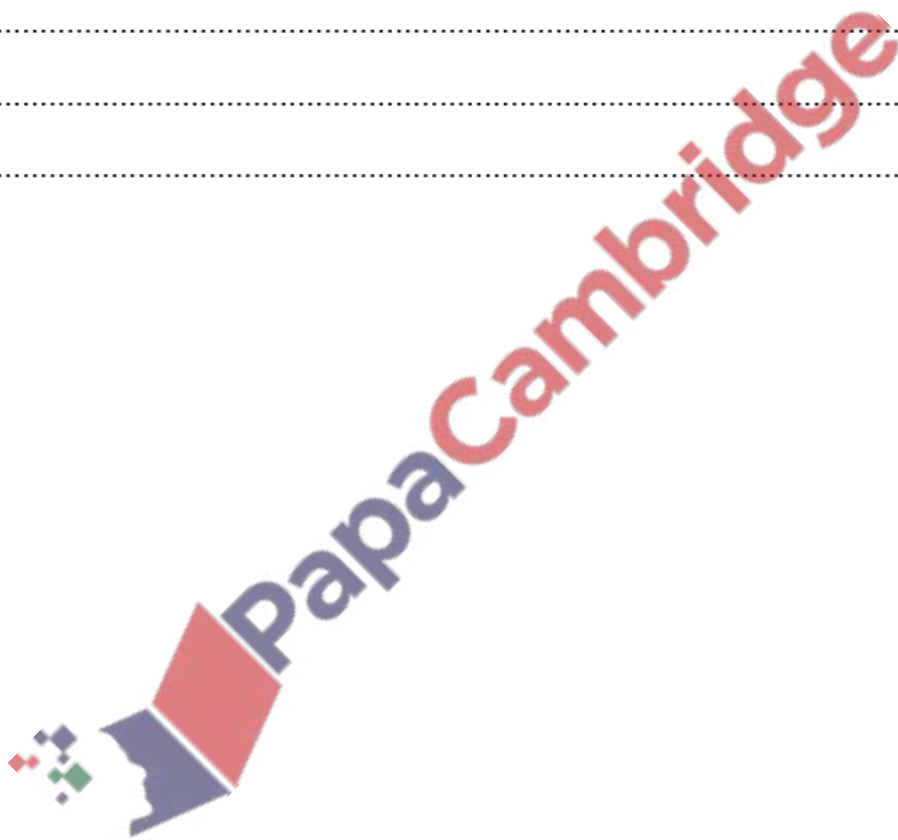
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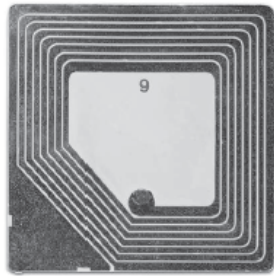
.....

[4]



(b) Data can be read directly by using a number of different devices.

Name the most appropriate device used to read the following data.



Cheque No.	Branch Code	Account No.	Transaction Code
05482	55448	654478	25447

.....

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[4]

15. June/2020/Paper_11/No.7

The headteacher of a school has decided to replace desktop computers with laptop computers.

Describe the advantages and disadvantages of using a laptop computer rather than a desktop computer.

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[4]

16. June/2020/Paper_12/No.2



(a) Write down the type of interface shown.

..... [1]

(b) Write down **two** disadvantages of using this type of interface.

1.....

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2.....

.....



[2]

18. June/2020/Paper_12/No.10

Music scores can now be produced using computer systems and appropriate software.

Describe the features of this technology.

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[4]

19. June/2020/Paper_13/No.1

There are two types of software: applications and system.

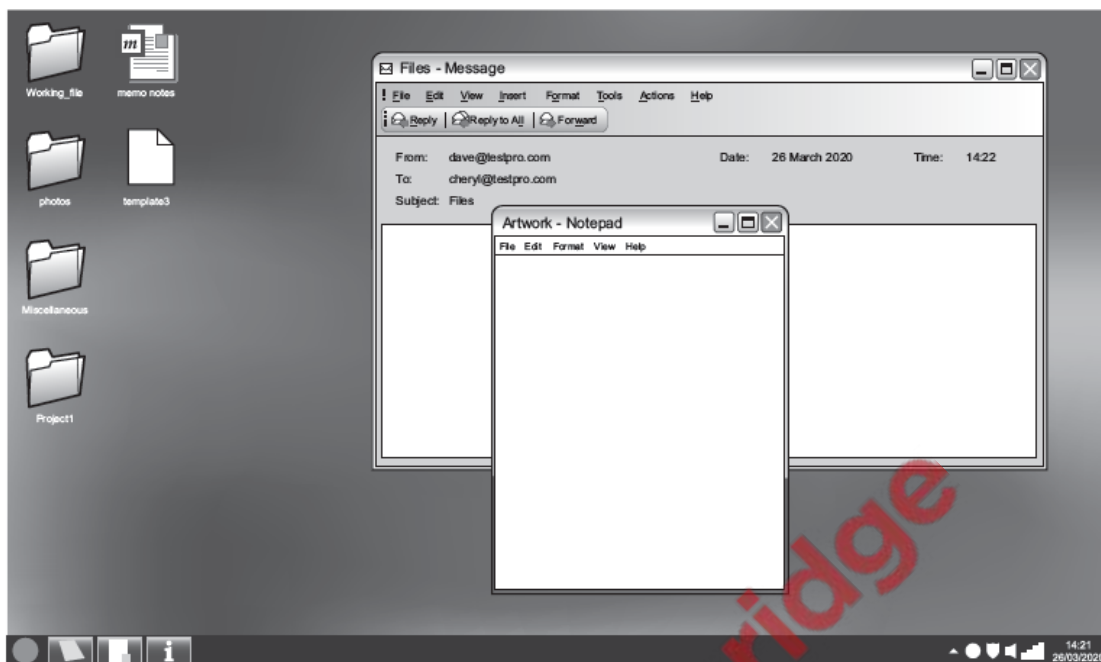
Tick (✓) the most appropriate type of software for each of the following.

	Applications (✓)	System (✓)
Device driver		
Linker		
Photo-editing software		
Spreadsheet		

[2]

20. June/2020/Paper_13/No.2

(a) Write down the type of interface shown.



..... [1]

(b) Write down **two** advantages of using this type of interface.

1.....

2.....

.....

[2]

21. June/2020/Paper_13/No.5

The use of laptop computers and tablet computers by people on the move is becoming very popular.

Describe **four** advantages of using a tablet computer rather than a laptop computer.

1

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2

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3

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4

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[4]

