



MINISTRY OF EDUCATION, SINGAPORE  
in collaboration with  
CAMBRIDGE ASSESSMENT INTERNATIONAL EDUCATION  
General Certificate of Education Normal (Technical) Level

CANDIDATE  
NAME

--

CENTRE  
NUMBER

S				
---	--	--	--	--

INDEX  
NUMBER

--	--	--	--

## COMPUTER APPLICATIONS

**7018/01**

Paper 1

**For examination from 2022**

SPECIMEN PAPER

**1 hour 15 minutes**

Candidates answer on the Question Paper.

No Additional Materials are required.

### READ THESE INSTRUCTIONS FIRST

Write your Centre number, index number and name in the spaces at the top of this page.

Write in dark blue or black pen on both sides of the paper.

You may use an HB pencil for any diagrams, graphs or rough working.

DO **NOT** WRITE ON ANY BARCODES.

#### Section A

Answer **all** questions. For each question there are four possible answers **A, B, C** and **D**.

Choose the **one** you consider correct and tick the correct box.

Each correct answer will score one mark. A mark will **not** be deducted for a wrong answer.

You are advised to spend no more than **30 minutes** on **Section A** (Questions 1–20).

#### Section B

Answer **all** questions.

The number of marks is given in brackets [ ] at the end of each question or part question.

This document consists of **12** printed pages.



Singapore Examinations and Assessment Board



Cambridge Assessment  
International Education



\* 0 1 2 3 4 5 6 7 8 9 \*

## Section A

1 Which of the following is an output device?

- A Memory
- B Mouse
- C Printer
- D SSD

[1]

2 Wireless communication uses

- A a physical connection.
- B a wired local area network.
- C cables.
- D radio waves.

[1]

3 Which of the following prevents hacking?

- A Cookie
- B Firewall
- C Modem
- D Virus

[1]

4 Which of the following is the smallest data unit?

- A Gigabyte
- B Kilobyte
- C Megabyte
- D Petabyte

[1]

5 Which of the following is a suitable area to use a WAN?

A Country

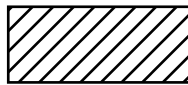
B House

C Room

D School

[1]

6 Which of the following is the fill effect for the shape below?



A Gradient

B None

C Pattern

D Solid

[1]

7 The output resolution of raster graphics when printed on paper is measured in

A dots per centimetre.

B dots per inch.

C dots per pixel.

D dots per square.

[1]

8 An individual image in a video is called

A an animation.

B a frame.

C a pixel.

D a transition.

[1]

9 Identify the typeface and the alignment for this paragraph.

Through the CPA curriculum, students learn a range of software application, how computer systems and networks work, and basic programming concepts. Students also gain awareness of the ethical, legal and security issues relating to the use of computers.

A Sans-serif and justified

B Sans-serif and left-aligned

C Serif and justified

D Serif and left-aligned

[1]

10 Which of the following best describes a footnote?

A It always contains the page number.

B It appears at the top of the page.

C It appears on every page.

D It appears at the bottom of the page.

[1]

11



Before



After

This graphic has been

A centred.

B cropped.

C enlarged.

D reduced.

[1]

Use the spreadsheet below to answer **questions 12, 13 and 14.**

	A	B	C	D	E	F	G
1	<b>Student Marks</b>						
2							
3		<b>English</b>	<b>Science</b>	<b>History</b>	<b>Geography</b>	<b>Music</b>	<b>Average</b>
4	Ryan	78	69	89	67	92	79.00
5	Lim	27	33	51	45	17	34.60
6	Tian	54	67	69	58	81	65.80
7	Grace	66	78	81	87	69	76.20
8	Kim	76	72	75	79	73	75.00
9	Min	63	52	71	33	54	54.60
10							
11	Highest Mark	78	78	89	87	92	
12	Lowest Mark	27	33	51	33	17	

**12** Which format is used for the data in cells **G4 : G9**?

- A** Currency
- B** Date
- C** Number
- D** Percentage

[1]

**13** Which function is used in cell **B12** to find the lowest mark?

- A** AVERAGE
- B** MAX
- C** MIN
- D** MEDIAN

[1]

**14** Which cells would be updated if Kim's mark for English was changed to 81?

- A** B11 and G7
- B** B11 and G8
- C** B12 and G7
- D** B12 and G8

[1]

15 An example of interactive multimedia communication is a

A merged document.

B slide presentation.

C spreadsheet.

D storyboard.

[1]

16 Which of these statements is true for multimedia content?

A It consists of only one type of media element.

B It consists of two or more types of media elements.

C It must be viewed over the internet.

D It must contain graphics.

[1]

17 Which of the following is a media element?

A Letter

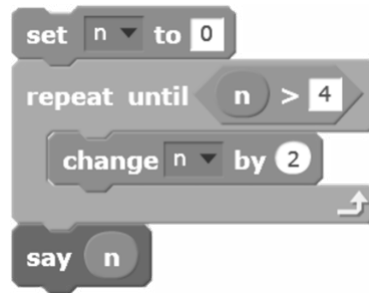
B Text

C Website

D Word

[1]

18 The following script is run.



What is the output value?

- A 4
- B 5
- C 6
- D 7

[1]

19 Which of the following is used to store values?

- A Conditional instruction
- B Loop
- C Mathematical operator
- D Variable

[1]

20 Visual programming can be used to create

- A animations.
- B documents.
- C networks.
- D search engines.

[1]

**Section B**

**21** Draw **one** line to match each device with the appropriate purpose.

Device	Purpose
Network Interface Card	A device that allows wireless devices to connect to a network.
Wireless Access Point	A device that directs the flow of data between computer networks.
Modem	A component installed on a device to allow access to a local area network.
	A device that establishes a connection between the internet and a computer.

[3]

**22** Identify **four** features of graphical user interfaces.

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

**23** Malware is software that can disrupt a computer system.

**(a)** State **two** examples of types of malware.

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

**(b)** Give **two** effects of malware.

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



24 Computers are devices that can be damaged and therefore they must be handled with care.

(a) State **two** ways in which computer devices can be damaged.

1 .....

.....

2 .....

..... [2]

(b) State **two** ways of properly handling and caring for computer devices.

1 .....

.....

2 .....

..... [2]

(c) State **one** troubleshooting technique for each situation given below.

(i) An application software has frozen and is **not** responding.

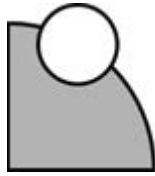
.....

(ii) A laptop is unable to connect to the wireless network.

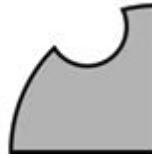
..... [2]

25 Vector graphics software can be used to edit drawings.

(a) Drawing 1 has been edited to produce Drawing 2.



Drawing 1



Drawing 2

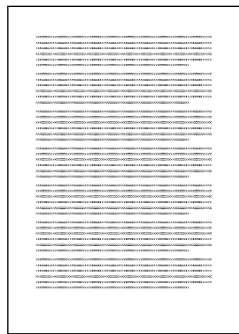
Identify the **two** vector graphics tools used to edit the drawing.

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

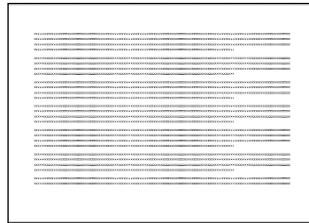
(b) Give **one** reason for using vector graphics instead of raster graphics.

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

26 (a) Identify the **two** types of page orientation for a document that are shown below.



A



B

- A .....
- B ..... [2]

(b) State **two** types of break that can be inserted in a document.

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

27 Formulas are used in spreadsheets.

(a) Give **two** relational operators that could be used to compare values in a formula.

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

(b) State the **two** types of cell referencing that are used in this formula.

**=B4\*\$L\$1**

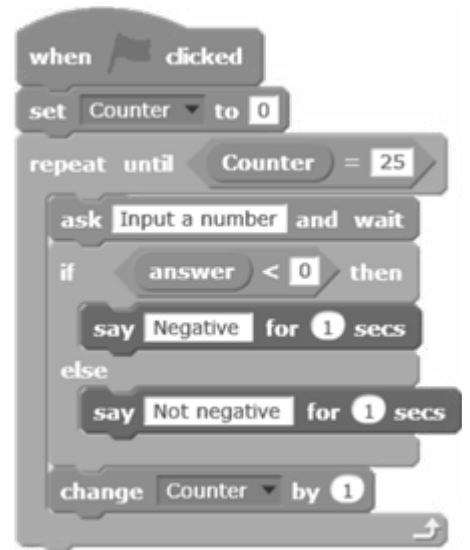
- 1 .....
- 2 ..... [2]

28 Choose the correct terms from the list below to complete these sentences.

**content      hyperlink      layout      storyboard      white space**

A ..... shows the flow of ..... and ..... of media elements for a proposed interactive slide presentation. To aid readability, ..... should be used appropriately in an interactive slide presentation. [4]

29 Represent these programming instructions using a flowchart.



[8]

---

*Copyright Acknowledgements:*

Question 18 © Creative Commons Attribution-ShareAlike 2.0 license <https://creativecommons.org/licenses/by-sa/2.0/>  
 Question 29 © Creative Commons Attribution-ShareAlike 2.0 license <https://creativecommons.org/licenses/by-sa/2.0/>

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

Cambridge Assessment International Education is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which itself is a department of the University of Cambridge.