

GRADE 10 COMPUTER APPLICATIONS TECHNOLOGY

THEORY SBA TEST

Examiner:	Christelle Randall	Date:	14 February 2023
Moderator:	Juanita van der Vlis Magda Maasdam	Time:	1 hour
		Marks:	50

Name and surname:			
Educator:		School:	
Grade and key			

PER QUESTION ANALYSIS

SECTION		QUESTION	MARKS	MARK ACHIEVED	
A		Question 1	10		
		Question 2	10		
		Question 3	5		
B		Question 4	15		
		Question 5	10		
		TOTAL	50		%

Comment: _____

Signature: _____

Name and Surname: _____

Please read the following instructions carefully

1. This Question Paper consists of **13** pages.
2. You must answer ALL the questions. Do not do more than what is required by the question.
3. Take note of the mark allocation. A two-mark question requires two facts, and so on.
4. It is in your best interest to write legibly.
5. Give your answer in general terms. Do not use brand names.
6. Please write your name on the top of each page in the space provided.
7. This is a write-on test, and ALL answers must be given in the space provided after each question.
8. Extra writing space has been provided at the end of the paper.

SECTION A

Question 1

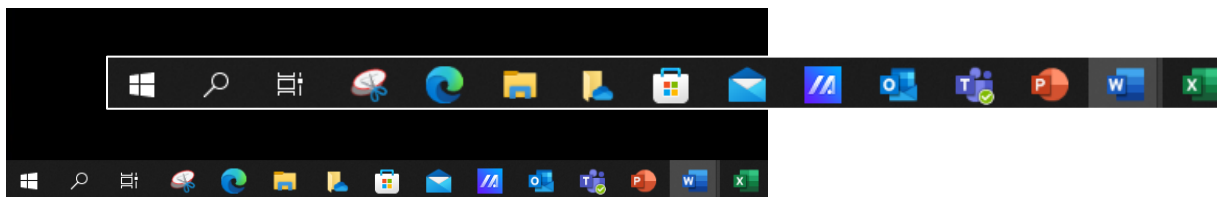
***Various options are provided as possible answers to the following questions.
Choose the correct answer.***

Write only the correct letter (A-D) in the table provided at the end of the question.

1.1 Indicate which phrase DOES NOT refer to output.

- A. A WhatsApp message from your friend, displaying on the screen.
- B. Printing a document.
- C. Music that you listen to on your headphones.
- D. Touching your phone's screen to start an app. (1)

1.2 Identify the magnified part, of the desktop, in the picture below:



- A. Icons
- B. Quick Launch toolbar
- C. Taskbar
- D. Notification Area (1)

Name and Surname: _____

1.3 An operating system on the computer.

- A. Microsoft Word
 - B. Typing Tutor
 - C. Linux
 - D. SAGE
- (1)

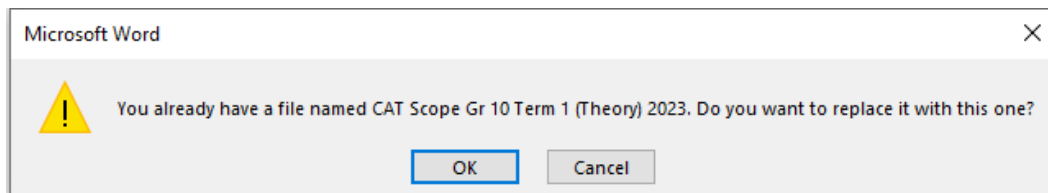
1.4 The shortcut for 'Cut'.

- A. <Ctrl><C>
 - B. <Ctrl><P>
 - C. <Ctrl><X>
 - D. <Ctrl><V>
- (1)

1.5 An example of spreadsheet software.

- A. Microsoft Excel
 - B. Microsoft Edge
 - C. Adobe Dreamweaver
 - D. MySQL
- (1)

1.6 Identify the window displayed in the picture:



- A. Dialog box
 - B. Warning
 - C. List box
 - D. Command box
- (1)

1.7 A mouse action used to select and take an object from one location to another.

- A. Scroll
 - B. Drag
 - C. Click
 - D. Double click
- (1)

Name and Surname: _____

1.8 File format used to distribute document files that does not require the program in which the document was created.

- A. .pdf
 - B. .com
 - C. .png
 - D. .accdb
- (1)

1.9 A printer used for quality printing.

- A. Laser printer
 - B. Dot matrix printer
 - C. Inkjet printer
 - D. All the above
- (1)

1.10 A storage device that uses electronic memory.

- A. Flash drive
 - B. Hard disk drive
 - C. CD
 - D. DVD
- (1)

Question	Answer
1.1	
1.2	
1.3	
1.4	
1.5	
1.6	
1.7	
1.8	
1.9	
1.10	

[10]

QUESTION 1	/10
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Question 2

Choose a term/concept from Column C that matches the description in Column B. Write only the letter (A-O) next to the question number in Column A.

A	B	C
2.1	An action which reduces a window to a button on the taskbar.	A. GUI B. Plug-and-Play C. Booting process D. Bluetooth E. Program F. Minimize G. Data H. List box I. Microsoft J. Operating System K. Maximize L. Spinner M. NFC N. .exe O. .wav
2.2	Unprocessed facts.	
2.3	Most important program that controls all activities in a computer.	
2.4	An interface that is responsible for the communication between the computer and the user.	
2.5	A component that indicates a chosen value in a box. You can change the value using the up or down buttons.	
2.6	The process that automatically loads the operating system when the computer is switched on.	
2.7	A set of instructions in a programming language for a computer to execute.	
2.8	Technology that allows devices such as mouse to communicate wirelessly over short distance.	
2.9	A technology where the operating system automatically detects and configures a device that has been plugged into the computer.	
2.10	The file extension of an executable program.	

[10]

QUESTION 2

/10

Name and Surname: _____

Question 3

Indicate whether the following statements are true or false.

Correct the statement if it is false by changing the underlined word(s) to make the statement true.

NOTE: No mark will be awarded if only 'false' is written down.

- 3.1 The right-click action on your mouse provides additional functionality to a document, in the form of a drop-down menu containing additional options. (1)

- 3.2 Application software is software that is intended to control, support or operate the computer. (1)

- 3.3 Web authoring software is used to access and view web pages on the internet. (1)

- 3.4 The file extension of a file name is given by the user. (1)

- 3.5 In the file explorer the back and forward buttons are used to navigate between folders you have already opened. (1)

[5]

QUESTION 3	/5
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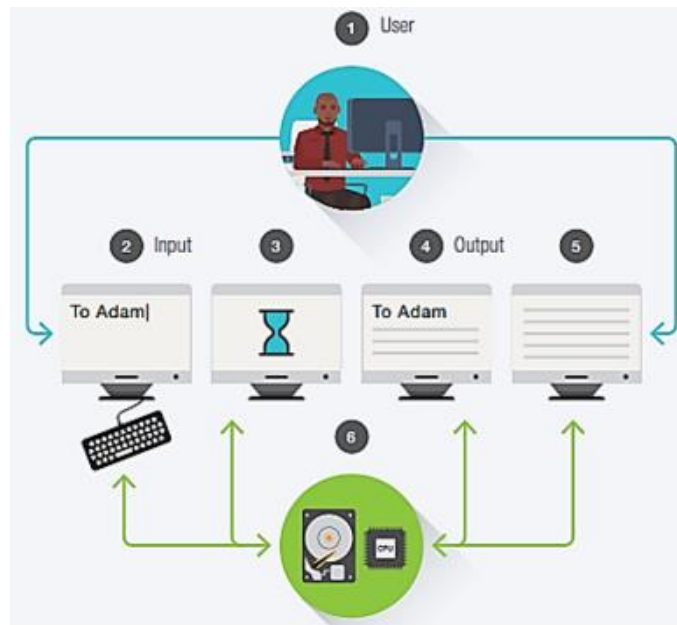
Name and Surname: _____

SECTION B

System Technologies and Implications

Question 4

4.1 Study the diagram below and answer the questions that follow:



4.1.1 Which stage of the information-processing cycle is taking place at number 3 in the diagram above? (1)

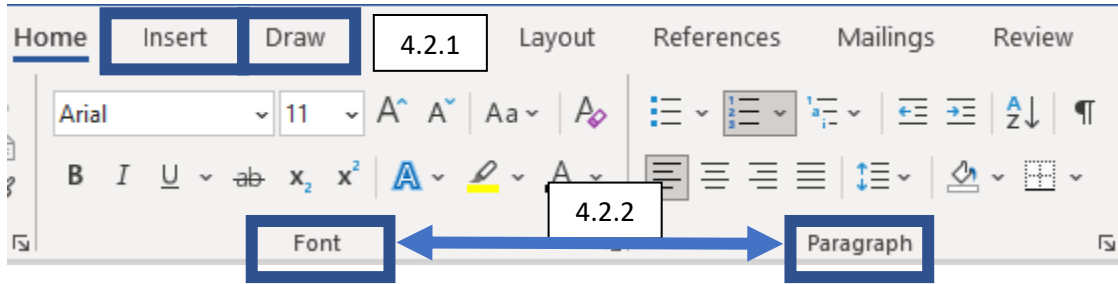
4.1.2 Does stage 6 represent storage or communication? (1)

Give a reason for your answer.

(1)

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4.2 Identify the components of the ribbon labelled 4.2.1 and 4.2.2. (2)



4.2.1

4.2.2

4.3 Define a computer. (2)

4.4 Give the name of ONE Application software. (1)

4.5 List THREE functions of the Operating System. (3)

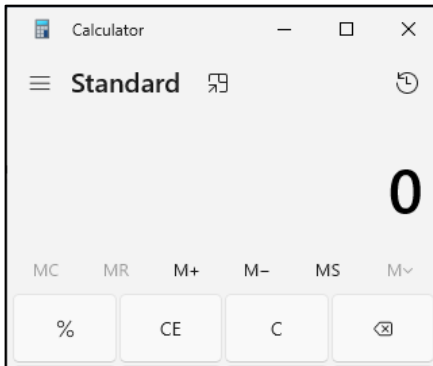
Function 1:

Function 2:

Function 3:

Name and Surname: _____

4.6 Identify the type of Software in the picture below. (1)



4.7 You are doing research and you have a pdf document with a picture that you want to use in your report.

ets, and desktop computers. These systems give the device tr
ple, Apple's iOS and Android's OS were developed specifically



e provides a dependable layer for hardware manufacturers. T
eates an efficient environment for programmers to create sm

4.7.1 Which program will you use to extract only the picture? (1)

4.7.2 You managed to extract the picture, which shortcut key will you use to paste the picture in your report? (1)

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4.8 Explain why a computer still needs an operating system even if it is mainly used for playing computer games? (1)

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QUESTION 4

/15

Question 5

5.1 Name two disadvantages or limitations of using a wireless device. (2)

Disadvantage 1:

Disadvantage 2:

Name and Surname: _____

5.2 You want to purchase a laptop.

Study the specifications of the laptop below and answer the following questions.



Specifications:

- Intel Celeron N4020 Processor 1.1 GHz (4M Cache, up to 2.8 GHz, 2 cores)
- 4GB DDR4 SO-DIMM - 1x Memory Slot
- 256GB M.2 NVMe PCIe 3.0 SSD - HDD housing for storage expansion
- 15.6" HD (1366 x 768) LCD
- Windows 11 Home

5.2.1 What is the monitor size? (1)

5.2.2 What is the resolution on the monitor? (2)

Across:

Down:

5.2.3 You want to add a screen to your laptop.

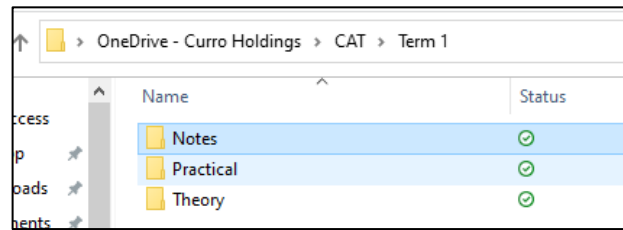
Which port will you use for the additional screen? (1)

5.2.4 You want to connect a wired printer.

Identify the connection port on the laptop that you will use to connect the printer. (1)

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5.3 Construct the file path of the Notes folder. (1)



One of your friends asked you for your help with some features of the desktop.

5.4.1 Identify the icon on the desktop? (1)



5.4.2 What is the purpose of this feature? (1)

[10]

QUESTION 5	/10
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FINAL TOTAL	/50
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Additional space for answers

[illegible]