



VIVA COLLEGE SCHOOL

Great Minds Shape the World

LOWER SECONDARY EDUCATION END OF TERM I ASSESSMENT EXAM

APRIL/MAY 2023

| | |
|-------------------|---|
| SUBJECT | INFORMATION & COMMUNICATION TECHNOLOGY (ICT) |
| PAPER/CODE | |
| DURATION | 2 Hrs. |
| CLASS | S.3 |

STUDENT'S NAME

SIGNATURE.....

ADMISSION NUMBER.....**STREAM**.....

**READ THE INSTRUCTIONS BELOW CAREFULLY
BEFORE YOU START THIS EXAM;**

- GENERAL EXAMINATION INSTRUCTIONS

- Use a blue or black pen-ink but not both
- Include your particulars name as it appears on the PLE/UCE pass slip
- Clearly indicate your class and stream
- List the question number(s) in the order attempted in the left-hand column of the boxes/cells but do not list the multiple-choice questions here
- Write your answers on both sides of each answer sheet.
- Do not tear off any part of the answer sheet(s)
- Tie or staple the question paper(s) together with the answer sheet(s)
- Always closely follow the instructions in order not to infringe the examination rubric

- SPECIFIC EXAMINATION INSTRUCTIONS

- This Paper consists of two sections, **A and B**.
- Section **A** contains **twelve (12) compulsory** structured questions each carrying **five (5)** marks. Write your answers in the spaces provided.
- Section **B** contains **one (1) compulsory** practical-theory question carrying 20 marks. Write your answers in the spaces provided.

| FOR STUDENT'S USE ONLY | EXAMINER'S USE ONLY | |
|------------------------|---------------------|---------------------|
| ONLY | | |
| Question attempted | Marks | Examiner's initials |
| SECTION A | | |
| SECTION B | | |
| | | |
| TOTAL | | |

SECTION A (20 Marks)

Attempt **all** questions in this Section

1. a). Information and Communication Technology yields tremendous benefits for individuals, institutions, and society at large.

Define the term Information and Communication Technology?

(02 marks)

- b). ICT has become an essential tool in offering students a comprehensive education at all times, enabling them to develop all their digital skills and abilities.

Identify and name the following ICT tools.

(03 marks)

| ICT TOOL | NAME |
|---|-------|
|  | <hr/> |
|  | <hr/> |
|  | <hr/> |

2. The computer's Operating System makes it easy to store files in places that make a lot of sense.

- a). Give the default folder or storage area for the following files:

(03 marks)

(i) **Text files;**_____

(ii) **Image files;**_____

(iii) **Music files;**_____

- b). Write the shortcut keys combination for the following commands as used in a word processing environment:

(02 marks)

(i) **Undo;**_____

(ii) **Replace;**_____

3. The Internet makes it possible to quickly find information, communicate with people around the world, manage finances, shop from home, listen to music, watch videos, and much more.

a). **What is internet?**

(02 marks)

- b). A web browser is a software application that is used to access the World Wide Web (www) or as known by everyone on the Internet. Identify the following web browsers. (03 marks)



4. a). The table below shows a list of components that may be used when playing computer games. For each component put a tick in the correct box to show whether it is used for input, output or processing. (05 marks)

| | Input | Output | Processing |
|---------------|--------------------------|--------------------------|--------------------------|
| Mouse | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Speaker | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tracker ball | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Graphics card | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Monitor | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

5. Viva College School students want a printed record of the liquid soap project sales. They want to put the printer outside at the basketball court. Their teacher has suggested a dot matrix printer. The students suggested a laser jet printer.

a) **Give three reasons why the teacher has suggested a dot matrix printer.**

(03 marks)

- 1 _____
- 2 _____
- 3 _____

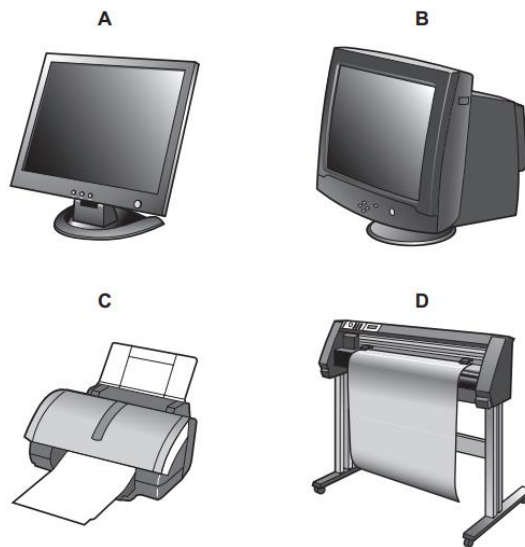
b) Give two reasons why the students have suggested a laser jet printer. (02 marks)

1 _____
2 _____

6. Computer Hardware refers to the external and internal devices and equipment that enable you to perform major functions such as input, output, storage, communication, processing among others.

a). What is an output device? (01 mark)

b). Name the output devices A, B, C and D. (04 marks)



A _____

C _____

D _____

B _____

7. The table below shows the specifications of two laptop computers. Use it to answer questions that follow:

| Feature | Laptop A | Laptop B |
|------------------|---|-------------------------------------|
| Processor speed | 2.2 GHz, 800 MHz, 1 Mb cache | 1.6 GHz, 533 MHz, 512 Kb cache |
| Hard drive | 250 Gb | 160 Gb |
| Screen size | 15.6 inches | 10.1inches |
| Operating system | Genuine Windows Vista ® Home Premium | Genuine Windows 7 ® Home Premium |
| Wireless enabled | Yes | Yes |
| Webcam | No | 1.3 MP |
| Bluetooth | Yes | No |
| Battery life | 2 hours | 6 hours |
| Weight | 2.9 kg | 1.3 kg |

a) Identify the laptop with the larger cache. (01 mark)

b) Laptop A has a 250 GB Hard Drive. State what is meant by GB in this context. (02 marks)

c) Laptop A has Bluetooth. Describe the term **Bluetooth**. (02 marks)

8. Mrs. Amooti uses the internet to buy clothes for her children.

a) Identify the type of software that must be installed on Mrs. Amooti's computer to enable her access websites selling children's clothes. (01 mark)

b) Identify two advantages to Mrs. Amooti of buying children's clothes online rather than visiting a shop. (02 marks)

1 _____

2 _____

c) Identify two disadvantages to Mrs. Amooti of buying children's clothes online rather than visiting a shop. (02 marks)

1 _____

2 _____

9. a). The laboratory technician is responsible for the health and safety of students using the network. The technician has started to produce a list of 'Health and Safety' guidelines to display in the Armstrong and Bill Gates classrooms respectively.

i) **Define the term computer laboratory.** (01 mark)

ii) One safety guideline is "leave all bags and water bottles behind in the designated area". **Identify two other safety guidelines that should be included.** (02 marks)

1 _____

2 _____

iii) One health guideline is "take regular breaks". **Identify two other health guidelines that should be included.** (02 marks)

1 _____

2 _____

10. A typical word processor enables the user to create documents, edit them using the keyboard and mouse, store them for later retrieval, and print them to a printer.

a) Outline any three word processing programs well known to you. (03 marks)

1 _____ 2 _____

3 _____

b) Identify two word processing features that are used to enhance the appearance of text. (02 marks)

1 _____

2 _____

11. A Table of Contents (TOC) is a list, usually on a page at the beginning of a piece of academic writing.

a). What is the table of contents as used in Word processing? (02 marks)

b). Outline three benefits of including the table of contents in a document. (03 marks)

1 _____

2 _____

3 _____

12. Certain books are published both in hard copies and soft copies (e-books).

a) What is a soft copy? (01 mark)

b) Give two reasons for using:

(i) Soft copies formats; (02 marks)

1 _____

2 _____

(ii) Hard copies formats; (02 marks)

1 _____

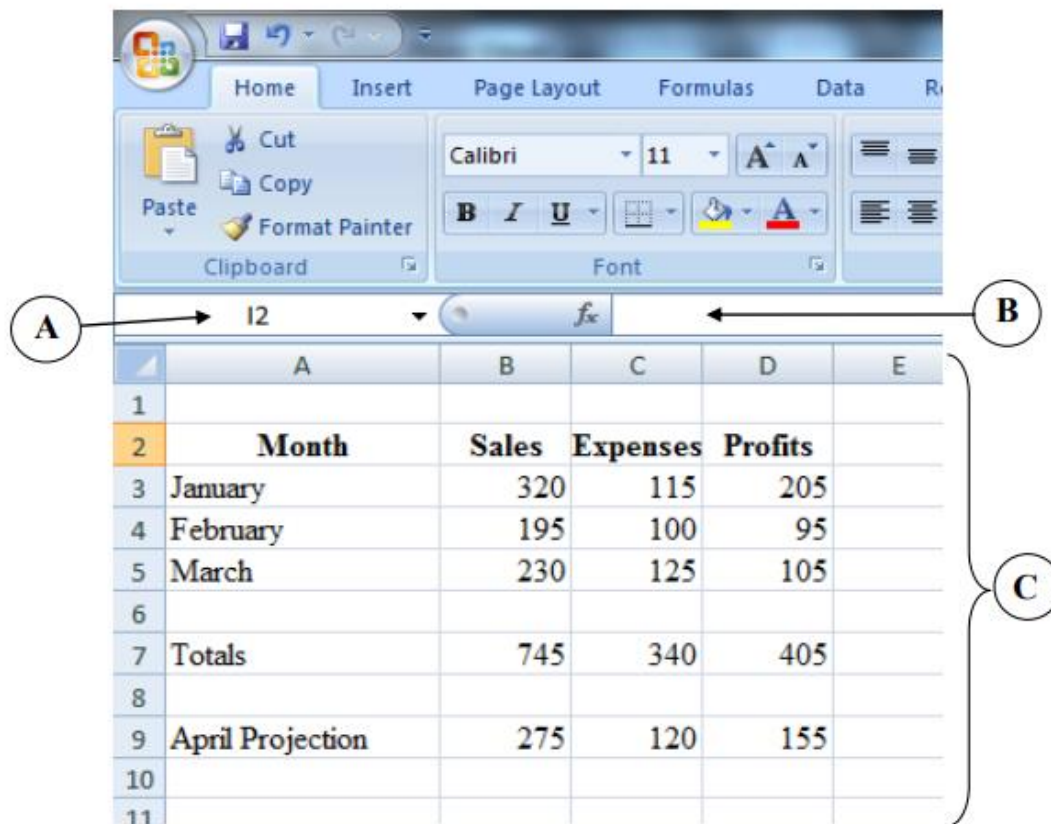
2 _____

SECTION B (20 Marks)

Attempt **all** questions in this Section.

(This Section contains One (1) compulsory practical-theory question carrying 20 marks. Write your answers in the spaces provided).

13. a). Use the diagram below to answer questions (i) to (iv) that follow.



(i) Name the application program used for the above figure. (02 marks)

(ii) What is a cell? (02 marks)

(iii) Write the formula / function used to calculate the profit for cell D7. (02 marks)

(iv) Write the formula / function used to calculate the profit for cell D7 (02 marks)

(v) Name the parts labeled **A** and **B**. (02 marks)





A _____

B _____

b). (i). What is a word processor? (02 marks)

(ii). Complete the table below:

(08 marks)

| <i>Windows button</i> | <i>Name of Windows button</i> | <i>Function of Windows button</i> |
|---|-------------------------------|-----------------------------------|
|  | | |
|  | | |
|  | | |
|  | | |

“The only Place where Success becomes first before work is in the Dictionary”

END