

UGANDA ADVANCED CERTIFICATE OF EDUCATION
SUBSIDIARY ICT
TERM TWO 2024

Making guide

TEST 1

1. Robots are used in a factory to build cars, one characteristic of a robot is its mechanical structure.

a) State two other characteristics of a robot

2 marks

- It is intelligent accurate, fast, automatic
- Can imitate human behaviour, automatic

b) Suggest three advantages of using robots, instead of humans, to build cars in the factory.

3 marks

- Do not get tired easily (endurance) - Are fast
- Work without supervision (automatic); Do not make mistakes (automatic)

2. a) Differentiate between a file and folder.

2 marks

Folder is a virtual container for storage of files & subfolders; File is a group of related data saved under a given name.

c) State three devices that can be used as both input and output devices

3 marks

Touch Screen
Digital Camera
Interactive White Board

3. Briefly explain the five main components of a computer.

5 marks

Hardware; Tangible Computer Components
Software; Intangible Computer Components
Humanware; Computer users
Communication; Transfer of information from one device to another
Data & Information; Input & output of processing stage

4. a) Distinguish between softcopy and hardcopy output.

2 marks

Softcopy is information in electronic/digital format while hardcopy is a document or information in physical format.

b) List three factors you would consider before purchasing a computer. 3 marks

Storage Capacity
Processing Speed
Amount of RAM

Screen resolution
Price of the Computer
Graphics Card

5. a) State the major difference between impact and non-impact printers. 2 marks

Impact involve the printing head having physical contact with the paper, while Non impact has no physical contact with the paper during printing.

b) Mention three advantages of Non-impact printers over impact printers. 3 marks

- Print better quality output
- Relatively quieter than impact printers
- Make less noise compared to impact printers

6. a) Explain what is meant by the term "Peripheral device". 1 mark

Are devices externally connected to the computer through ports.

b) List down any four peripheral devices. 4 marks

Mouse
Keyboard
Bar Code Reader
Projector

Speakers
Monitor
Printer

7. a) Distinguish between writing and reading data as used in storage devices. 2 marks

Writing involves transfer of information from memory onto the storage medium; Reading involves transfer from storage medium into memory.

b) Consider the phrase: SERIOUS STUDENT.

i) How many bytes are in the above phrase? 1 mark

16 Bytes

ii) Find the number of bits in the phrase?

2 marks

1 byte = 8 bits

16 bytes = $16 \times 8 = 128$ bits

8. a) State the three main divisions of a standard keyboard.

3 marks

Alphanumeric keys
Functional keys
Navigation keysNumeric keypad
Special keys

b) Write down two precautions for safe use of the computer hardware.

2 marks

Keep work area clean and organized

Follow manufacturer guidelines; Disconnect power sources

5 marks

9. Write the following abbreviations in full.

a) VGA

Video Graphics Array

b) VDU

Visual Display Unit

c) CCTV

Closed Circuit Television

d) LED

Light Emitting Diode

e) DPI

Dots Per Inch

5 marks

10. List five major tasks one can do with a computer mouse.

Moving the cursor on screen

Selecting objects

Dropping

Dragging

Left and right clicking

Scrolling

ICT DEPARTMENT 2024

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