

## INTRODUCTION TO COMPUTERS

1. (a). Define the the **computer**.  
(b). Outline **four** characteristics of a good computer.  
(c). State **five** advantages of using a computer today for data processing.  
(d). State **three** reasons to suggest why laptop computers are more common today.
2. (a). Distinguish between **computer generations** and **computer evolution**.  
(b). (i). State **four** characteristics of computing devices developed during the mechanical eral.  
(ii). State **three** examples of computing devices developed during the mechanical era.  
(c). Identify the major scientific discoveries in each of the following generations:

<b>Generation</b>	<b>Discovery / milestone</b>
First	
Second	
Third	
Fourth	
Fifth	

3. (a). State **three** bases for classifying computers.  
(b). Give **four** characteristics of second generation computers.  
(c). Explain the following terms as used in relation to computer use:
  - (i). *Versatile.*
  - (ii). *Diligent.*
  - (iii). *Automation.*
  - (iv). *Garbage - in , Garbage - out.*
  - (v). *Artificial intelligence.*
- (d). Give **four** disadvantages of using computers for data processing.
4. (a). State any **three** ways computes have caused un-employment in Uganda.  
(b). List **four** characteristics of first generation computer.  
(c). State any **four** examples of computers classified under / as personal computers.  
(d). Give **three** advantages that were associated with the development of the integrated circuit.
5. (a). State **four** characteristics of the following forms of computers:
  - (i). *Super computers.*
  - (ii). *Mini - computers.*
  - (iii). *Mainframe - computers.*
  - (iv). *Micro - computers.*

- (b). List **three** features of third generation computers.
6. Outline five practical uses of computers in each of the following sector areas:
- (i). *Security.*
  - (ii). *Governance.*
  - (iii). *Education.ee*
  - (iv). *Transport.*
  - (v). *Entertainment.*
  - (vi). *Military.*
  - (vii). *Business.*
7. (a). (i). Define the term **computer system**.  
(ii). Outline any **five** elements of a computer system.
- (b). State **four** factors to consider before buying a computer for use.
- (c). Distinguish between the following pairs of terms:
- (i). **Special - purpose** and **general - purpose** computers.
  - (ii). **Analogue** and **digital** computers.
  - (iii). **Data** and **information**.
  - (iv). **Stand - alone** and **networked** computers.
- (d). Give **five** characteristics of fourth generation computers.
8. (a). State any **three** divisions of a computer's keyboard.
- (b). Describe each of the following keyboard keys:
- (i). *Enter key.*
  - (ii). *Escape key.*
  - (iii). *Capslock key.*
  - (iv). *Tab key.*
  - (v). *Shift key.*
  - (vi). *Num lock.*
  - (vii). *Functional - keys.*
9. (a). Name **three** buttons that work as ON/OFF switche on a computer's keyboard.
- (b). State the difference between **backspace** and **delete** key.
- (c). Using a computer's keyboard, show how the following are carried out:-
- (i). *Confirm a command.*
  - (ii). *Select the entire document.*
  - (iii). *Print a page.*
  - (iv). *Restart a computer.*
  - (v). *Cancel an operation or command.*

10.(a). Name one computing device that was developed by the following personalities:

- (i). *Pascal Blaise.*
- (ii). *Herman Hollerith.*
- (iii). *John Napier.*
- (iv). *Konrad Zuse.*

(b). Give characteristics of the **ENIAC** computer.

(c). In your own analysis, suggest **five** reasons to support the idea that first generation computers were not popular.

(d). Outline **five** characteristics of computers developed in the fifth computer generation.

11.(a). Identify **four** hardware components that are supplied as part of a functional desktop computer.

(b). Write the following abbreviation in full:

- (i). *CPU.*
- (ii). *COBOL.*
- (iii). *PC.*
- (iv). *MIPS.*

(c). State **four** reasons for taking computers studies as a subject in secondary schools today.

12.(a). Write a list of **seven** measures you would take to maintain and care for your computer.

(b). Use only **one** of the following words to fill in the spaces below in a way of describing major functions of a computer system.

**storage, input, processing, output.**

- (i). With ....., a computer keeps data for future use.
- (ii). ..... allows data to be generated using devices like a keyboard.
- (iii). ..... enables the computer to display data / information.
- (iv). ..... helps the computer to convert data into information.