

Teacher's Copy
(Guide)

NAME: _____ Stream:

UGANDA ADVANCED CERTIFICATE OF EDUCATION

Topic : Introduction to ICT

SUBSIDIARY ICT

1 HOUR

INSTRUCTIONS TO CANDIDATES:

Answer all questions in this paper

1. Explain any five characteristics of modern computers (5 marks)

Speed; Ability to perform millions of instructions per second
Accuracy; performing tasks without making mistakes
Intelligence; performing same task without getting tired
Versatility; Ability to perform different tasks at a go
Artificial intelligence; Ability to mimic human acts.

2. Write the following ICT abbreviations in full.

(5 marks)

a) CAL

Computer Assisted Learning

b) ICT

Information and Communication Technology

c) HDMI

High Definition Multimedia Interface

d) ATM

Automated Teller Machine

e) E-mail

Electronic mail.

3. Write short notes on the following components of the computer system.

(5 marks)

a) Hardware

These are tangible components of a computer.

b) Software

It refers to the set of instructions that tell a computer what to do and how to do it.

c) Human ware

Refers to the computer user who interacts and gives instructions to the computer.

d) Communication

This is the transfer of electronic signal from one device to another.

e) Information

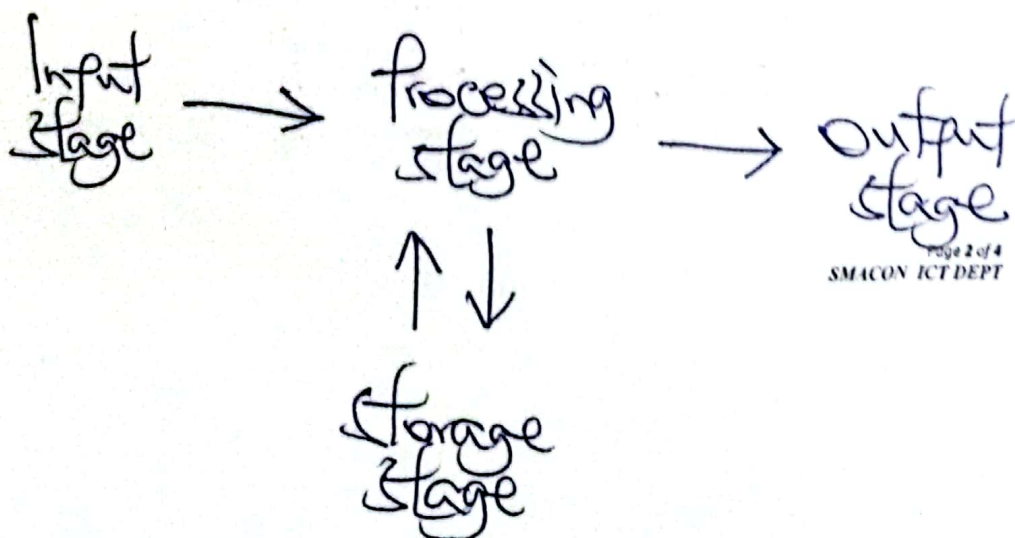
That is processed meaningful data.

4. a) What do you understand by the term information processing cycle?

It refers to the stages involved in transformation of data into information. (1 mark)

b) Using an illustration, explain the stages involved in the information processing cycle

(4 marks)



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5. a) Explain the difference between data and information (2 marks) ✓
 Data are raw facts from which information is obtained while information is processed meaningful data.
- b) State any three applications of ICT in the health sector. (3 marks)
 for keeping patient records
 for carrying out computer assisted medical tests
 for drug mixing and prescription.
6. Outline any five examples of social media platforms. (5 marks)
 Twitter (X)
 Facebook
 Instagram
 Telegram
 Snapchat
 Viber
 Imo
 threads
7. a) What do you understand by the term Green computing? (2 marks)
 The environmental friendly use of computers and ICT devices.
- b) Outline the various ways in which green computing can be practiced. (3 marks)
 - By use of LCDs instead of CRT
 - Disposing off electronic wastes properly
 - Using the hibernate or sleep mode when away from a computer for long periods

8. The mobile phone revolution is hitting the world as a storm. As an ICT student, show how this revolution is negatively impacting the society.

- Laziness
- Loss of Craftmanship
- Moral decay
- Family breakup
- Fraud
- Pollution
- Health hazards

9. a) What is a computer?

(2 marks)

An electronic device that can input, process, store and output information.

b) Outline any three qualities of good information.

(3 marks)

- Must be Clear
- Must be Complete
- Accurate

10. a) Outline any two types of Computer Software.

(2 marks)

Application Software
System Software

b) Give any three examples of computer professional users. (3 marks)

System administrator
Software engineer
Data analyst