

1. (a) What is meant by the term evolution of computers
- (b) What are characteristics of first computer generation?
- (c) List five generations and their major innovations
- (ii) What are the setbacks of the generations listed above.
- (iii) Give the difference between Digital and analog computers
- (iii) How does the second generation computer differ from fifth generation computers?
- (d) What is a computer?
- (ii) What could be the characteristics of modern computers?
- (iii) What are limitations of computers?
- (iv) What are advantages and disadvantages of computers in the society?
- (e) Distinguish between Primary Storage and Secondary storage devices, giving the examples of each
- (ii) Name three parts of CPU.
- (iii) Explain the function of each part in (ii)
- (iii) What are the steps followed by the CPU when executing the work.
- (iv) A computer is a device which has hardware and software used to input, process, store and output data according to the instructions of the user.

As a student of computer studies explain any hardware components involved at each of the four stages above

2. (a) Mention any 6 areas where computers are used and for what purpose.
 - (b) Give three categories of computers and their examples
 - (ii) Describe the classification of computers by process, purpose, and size and processor power
 - (iii) What are the effects of computers in society today?
 - (iv) Why do people use flash disk over floppy disks today
 - (v) Outline the ways computers and data may be protected against viruses
 - (c) Why is it important for a school to have a website.
 - (d) What are the functions of using a keyboard?
 - (ii) Explain the meaning of utility programs (service programs)
 - (iii) What is the difference between Computer ethics and software piracy?
 - (iv) What are the steps of the information processing cycle.
- . Define the term Computer virus
- (ii) Identify the possible symptoms of computer virus.
 - (iii) State ways in which one can guard a computer system against viruses
 - (b) What do you understand by the term screen saver as applied to computers?
 - (ii) What are the applications of a screen saver program?
 - (iii) Give and explain various types of viruses you know.
 - (c) Differentiate between Hacking and Computer crime.
 - (ii) What are the ways of preventing computer crime?
 - (d) Identify the health hazards that are associated with the use of computers
 - (ii) What are the typical functions of a word processor?
4. What is the difference between WWW and Internet?
 - (b)(i) What are the functions of the internet?
 - (iii) What are the disadvantages of internet in the society?

C) Write in full

ISP, IP /TCIP, IP

What is the function of the above acronym?

What are factors considered when choosing an ISP?

ii) Define Network topology

(iii) What are factors to be considered in choosing a network topology

(iv) What are the undesirable behaviors' involving the internet

d) Define the following terms as applied to computer studies.

- | | |
|----------------|------------------------------------|
| 1. Domain name | 8. Homepage |
| 2. Web page | 9. Web browser |
| 3. Website | 10. URL (Uniform Resource Locator) |
| 4. Intranet | 11. Web server |
| 5. Extranet | 12. Surfing the web |
| 6. Firewall | 13. Search Engine. |
| 7. Hyperlink | |
| 14. Telnet | |
| 15. FTP | |
| 16. TCP/IP | |

(iii) Outline the advantages of networking over stand alone computers.

(iv) Using illustrative diagrams, Describe the various forms of LAN topologies

Define the term Computer Data communication

(ii) What are the basic models for data communication?

(iii) What could be the uses of data communications?

(b) Define the term communication devices

(ii) Give and explain common types of communication devices.

(iii) Give and explain the devices used to interconnect networks

(iv) What are advantages and disadvantages of using microwaves in datacommunication?

(v) What are the advantages and disadvantages of the Coaxial cable, Fiber optic cable, Communication? Satellites.

c) Total data security is not possible today: Outline the areas where has been achieved and challenged.

(ii) Suggest reasons why there is an increase in the use of computers in most organizations in Uganda today.

(iii) The Head teacher of your school wishes to buy computers for the school. As a student of Computer Studies, What type of computers would you advise the Head teacher to buy and what benefits are they to your school.

(iii) Differentiate between communication protocols and communication channels.

(iv) Define the following terms

Electronic Commerce

Electronic money

EDI(Electronic Data Interchange)

(V) what could be the advantages of E-commerce

Write the following abbreviations in full in relation to computers

BIOS	ROM
CMOS	EPROM
ALU	POP
RAM	ICT

(a) Distinguish between a Browser and E-mail software.

(ii) Explain the meaning of the following terms in relation to e mail

- | | |
|------------|----------------|
| i. Subject | v. Compose |
| ii. To | vi. Attachment |
| iii. Cc | vii. Reply all |
| iv. Bcc | viii. Forward |

(iii) What are the advantages of using E-mails to send messages in steady of phones?

(iv) Explain the meaning of the following terms as applied to a word processor.

Character map	Footer
Formatting	Page break

(b) Outline the ways in which word processing can help in business activities.

(ii) What is a software suite?

(iii) State any features of desktop publishing software

(iv) What is video conferencing?

(c) Describe as precisely as possible the use of the following features

- Radio button
- Check box
- Line Spacing
- Changing Case
- List Box
- Drop down list

State the major components of an e-mail message.

(ii) What are the factors affecting data transmission.

(b) What is the between Network and Network Tology

(ii) What are the types of network Tology?

(iii) What are the types networks

(iv) Distinguish the Data and Information

(c) What is a software suite and give the popular software found in the suite.

What are the advantages of having a software suite?

What is the difference between bit and byte

How many bits are 17 bytes

