

SECTION A: (20 MARKS)

This section is made up of 20 multiple choice questions. Write a correct letter in the box provided for each of the questions.

1. Which of the following is a special characteristic of third generation computers?
A. Use of integrated circuits
B. Introduction of graphical user interface
C. Storage of data on external hard disks
D. The use of micro processors
☐
2. The device that connects two or more packet-switched networks or subnetworks and allows multiple devices to use the same internet connection is called
A. A router.
B. A network card.
C. A repeater
D. A multiplexer
☐
3. A.....is a primary database structure
A. Report
B. Table
C. Query
D. Form
☐
4. A/anis an interface in which users interact with software through clickable icons
A. CLI
B. GUI
C. MDI
D. API
☐
5. A copyrighted software package obtained illegally is said to be
A. Original software
B. Duplicated
C. Pirated
D. Shared
☐
6. Which one of the following is a computer output device?
A. Plotter
B. Keyboard
C. Touch pad
D. Microphone
☐

7. Information displayed on the computer screen is regarded as.....

- A. Hard copy
- B. Stored information
- C. Printed copy
- D. Softcopy

☐

8. A person who gathers information from the users and then analyses and designs a suitable system is the

- A. A technician
- B. Programmer
- C. A system analyst
- D. An operator

☐

9. A.....is a kind of computer software that is designed for a specific organization to perform a specific purpose.

- A. Freeware
- B. Tailor made
- C. Shareware
- D. Off-the- shelf

☐

10. A facility that enables a user to see thumbnails of all the slides in presentation is known as;

- A. Notes master
- B. Slide master
- C. Slide sorter
- D. Handout master

☐

11. A large, powerful computer with many users connected via terminals that can handle many tasks concurrently is referred to as;

- A. Super computer
- B. Mini computer
- C. Mainframe computer
- D. Personal computer

☐

12. The.....tag is an HTML element which causes text to scroll around the webpage

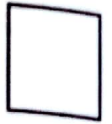
- A. <scroll>

☐

- B. <marquee>
- C. <move>
- D.

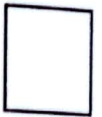
13. The web address which contains information about the location of the webpage is known as.....

- A. WWW
- B. HTTP C.
- C. FTP D.
- D. URL



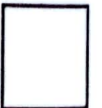
14. Computer viruses can be spread through the following ways except by:

- A. Deleting e-mail without opening or executing any attachment
- B. Opening an infected file
- C. Booting a computer with an infected flash disk in the disk drives
- D. Running an infected program.



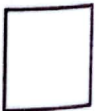
15. The intersection of a row and a column in spreadsheets gives rise to a.....

- A. workbook
- B. worksheet
- C. cell name
- D. cell



16. Which of the following are required to connect to the Internet using dial-up access?

- 1. A modem.
 - 2. A sound card.
 - 3. A telephone line.
 - 4. fax
- A. 1 and 2 only.
 - B. 1 and 3 only.
 - C. 3 and 4
 - D. 4 and 2



17. A is a request for specific data from a database. ☐
- A. Function.
 - B. Query.
 - C. Formula.
 - D. Sort.
18. The is an internet standard communication protocol for electronic mail transmission ☐
- A. IP
 - B. HTTP
 - C. TCP/IP
 - D. SMTP
19. The use of computers to simulate a real or imaged environment that appears as a three dimensional (3-D) space where people interact in a seemingly real or physical way is termed as ☐
- A. Virtual reality.
 - B. Audio.
 - C. Video.
 - D. Animation
20. He troubleshoots company network, gives IP addresses, Configures devices;; ☐
- A. Troubleshooter
 - B. Engineer
 - C. Student
 - D. Network administrator

SECTION B (60 MARKS)

In this section, fill in the spaces provided for questions 21 to 26. This section is compulsory (1 mark)

21.(a) Define the term computer evolution

.....
.....
.....

(b) Name the key characteristic that was introduced in the following computer generations (3 marks)

First generation

.....

Second generation

.....

Fifth generation

.....

(c) What is a computer crime

(1 mark)

.....
.....
.....

(d) State three symptoms of a computer with a malware

(3 marks)

- i.
.....
ii.
.....
iii.
.....

(e) Give two possible dangers of using pirated software

(2 marks)

.....
.....
.....

22.(a) State two examples of hardware output devices

(2 marks)

.....
.....
.....

(b) Mudondo's PC has a hard disk of 1TB full of data and she would like to back up the data to external hard disks. Each external hard disk has capacity of 512GB.
 (i) State the number of GBs in 1TB (1 mark)

(ii) Determine the number of external hard disks she would need to backup all her data (2 marks)

(c) State three reasons for updating firmware for a given hardware (3 marks)

(d) Explain the meaning of troubleshooting (2 marks)

23. (a) Define an input mask as used in database management systems (1 mark)

(b) State two characteristics of a primary key (2 marks)

(c) State a situation that can lead to each of the following spreadsheet error messages (4 marks)

i. #####

ii. #DIV/0!

iii. #Name!

iv. #Null!

.....

(b) Give three advantages of using electronic spreadsheets in managing students' records.

(3 marks)

.....

24. (a) State three advantages of using a wireless network

(3 marks)

- i.

- ii.

- iii.

(b) Describe the following terms used in internet

(6marks)

i. Website

.....

ii. Browser

.....

iii. Bandwidth

.....

(c) Give one advantage of using online storage facilities

(1mark)

.....

25. State the importance of the following features as used in word processing

i. Wrap Text

(2 marks)

ii. Format painter

(2 marks)

(b) State two advantages of using word processor over typewriters

(3marks)

(c) What is a slide master?

(1mark)

(d) Give two reasons why it is important to add sound to a presentation

(2marks)

26. (a) Outline three types of **system software** available in a computer.

(3 marks)

i.

ii.

iii.

(b) Distinguish between a **compiler** and an **interpreter** as used in programming

(2marks)

(c) What is the meaning of an application package?

(1 mark)

(d) Outline three examples of application software commonly used in Uganda.

(3marks)

i.

ii.

iii.

(e) State one factor you would consider when buying application software for computer

(1 mark)

SECTION C (20 MARKS)*Attempt only one question from this section*

27.(a) Describe any five requirements for setting up a local area network (10marks)

(b) Explain five possible causes of failure of a computer network (10marks)

28. Define a malware (2marks)

(a) Explain five ways through which computer viruses are transmitted (10marks)

(b) Outline four ways of ensuring safety of computers in a computer laboratory (8marks)

29. State the function of each of the following computer components (10marks)

- i. VGA cable
- ii. The fan
- iii. RAM
- iv. Motherboard
- v. CPU

(b) Explain five reasons for restarting a computer (10 marks)