

SECTION A (20 MARKS)

Answer all questions in this section.

1. A computer used in hospitals to measure the heartbeat of patients is

- A. Super computer
- B. Personal computer
- C. Hybrid computer
- D. Desktop computer.

2. Which generation of computers made use of integrated circuits?

- A. Second generation
- B. Fourth generation
- C. First generation
- D. Third generation

3. Bit stands for?

- A. Binary digit
- B. Byte digit
- C. Backup data
- D. Binary data

4. What part of the processor temporarily stores data?

- A. Hard drive
- B. ROM
- C. RAM
- D. Memory card.

5. A series of instructions that tells a computer what to do and how to do it is called a

- A. User response
- B. Processor
- C. Program
- D. Command

6. is known as a price scanner in many super markets country wide

- A. Biometrics
- B. Printer
- C. GPS
- D. Barcode reader

7. A(n) is an electronic card/board that is used to add extra functionality to a computer.

- A. Micro processor
- B. Port
- C. Motherboard
- D. An expansion slot

8. The address also known as the physical address of the computer is?

- A. MAC
- B. Network address
- C. IP address
- D. Subnet address

9. The process of converting normal message (plaintext) into meaningless message (Ciphertext) is known as

- A. Encryption
- B. Decryption
- C. Access control
- D. Data backup

10. Examples of are internet browsers like Firefox, Safari and chrome.

- A. Application software
- B. System software
- C. Operating system
- D. Utility software

11. A database administrator of an organization works with which of the following program?

- A. Notepad ++
- B. Microsoft Excel.
- C. Microsoft Access
- D. Microsoft word

12. A personal computer (PC) is designed to meet the computing needs of a(n)

- A. Individual
- B. Department
- C. City
- D. Company

13. To restart the computer the following combination of keys is used

- A. Ctrl + Alt + Del
- B. Ctrl + R
- C. Ctrl + Alt + Z
- D. Ctrl + Alt + Y

14. The very last step in the software development life cycle (SDLC) is

- A. Design
- B. Implementation
- C. Maintenance
- D. Requirement gathering.

15. Kanya formatted the typed phrase "EDUCATION FOR LIFE". Which word formatting tool has not been applied on that phrase?

- A. Bold
- B. Strike through
- C. Upper case
- D. Underline

16. When a file is deleted on the desktop, it is sent to

- A. Tool bar
- B. My Documents
- C. Recycle bin
- D. Web browser

17. is a pre defined combination of colors, fonts and effects that can be applied to your presentation.

- A. Thesaurus
- B. Macro
- C. Theme
- D. Clipboard

18. Which of the following is the extension of a compressed file?

- A. .db
- B. .xml
- C. .csv
- D. .rar

19. The output devices make it possible to

- A. Input data
- B. View or print data
- C. Store data
- D. Wirelessly transfer data to another computer.

20. Which bar shows the title of the program and has the minimize, maximize/resize and close buttons.

- A. Title bar
- B. Desktop
- C. The status bar
- D. The formatting Toolbar



SECTION B: (60 MARKS)

Answer all questions in this section.

All answers must be written in spaces provided.

21.(a) Define the term ‘**Computer system**’. (02 marks)

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(b) Explain the major difference between **hardware** and **software** of a computer system (04 marks)

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(c) Give any **two** example of; (04 marks)

(i) Communication hardware

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(ii) Biometric hardware

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22. A senior two class did various tests of different subjects and the following were marks obtained by various students.

- Opeto; Math-76, Phy-60, Chem-58, Bio-62
- Kalule; Math-51, Phy-73, Chem-55, Bio-62
- Jamira; Math-92, Phy-46, Chem-54, Bio-49
- Ayubu; Math-81, Phy-50, Chem-66, Bio-62.

(a) Briefly draw a simple manual spreadsheet and insert the above data. (02 marks)

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(b) On your manual spreadsheet. Write the following formulas in the corresponding cells (04 marks)

- Total marks of Math for all students.
- Average mark of Jamira.
- Highest Mark of Kalule.
- Modal mark of Biology marks.

(c) Briefly describe how you would sort the students in Alphabetical order of their names on a computerized spreadsheet. (02 marks)

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(d) Identify **two** hardships of using manual spreadsheet compared to electronic spreadsheet. (02 marks)

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23.(a) Write the following network related terminology abbreviations in full.

(i) M.A.N (01 marks)

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(ii) MODEM (01 marks)

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(b) Identify **three** examples of ISPs in Uganda (03 marks)

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(c) Describe **two** tactics you can use to boost/increase on your internet speed. (02 marks)

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(d) Outline any **two** crimes associated with the usage of internet. (02 marks)

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(e) Describe the function of the firewall in network security. (01 marks)

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24. Explain the role of the following Computer specialists. (10 marks)

(a) Computer Programmer

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(b) Computer Trainer

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(c) Computer forensics Investigator

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(d) Computer systems administrator.

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(e) Network administrator

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25.(a) What are system files? (02 marks)

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(b) Give **two** file extensions of system files. (02 marks)

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(c) Why is it important to warm boot a computer after installing a new programme? (01 mark)

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(d) Identify **five** devices found inside the computer system case. (05 marks)

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26.(a) Explain the difference between **font size** and **font style** of text in word processing (02 marks)

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(b) Give **three** reasons why word processing software popularly used today than ordinary type writers? (03 marks)

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(c) Different students stored there word documents on a disc. Convert the storage capacities in correspondence to the table below. (03 marks)

CANDIDATES	STORAGE UNIT	CONVERSION
STUDENT A	200.0 KBMB
STUDENT B	390.5MBGB
STUDENT C	1.200GBKB

(d) Identify **two** utility software that can be used to increase disk space (02 marks)

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SECTION C (20 MARKS)

Attempt only **one** question from this question.

Answers to the question chosen must be written in the answer booklet provided.

27.(a) Explain **five** causes of computer software crash. (10 marks)

(b) Describe **five** ways how software crash incidents can be solved in a computer. (10 marks)

28.You have been provided with

- Smart phone
- USB cable
- Laptop
- Laser jet printer

(a) Briefly describe how you would arrange the gadgets above in order to transfer a power point presentation from the smart phone to the laptop. (10 marks)

(b) Outline the steps you would follow using the laptop to print all the four slides of the power point presentation on one page. (10 marks)

29.(a) Describe the difference between **computer intrusion** and **computer protection**. (04 marks)

(c) Explain **four** ways how computer data can be protected from

- (i) Physical threat. (08 marks)
- (ii) Logical threat. (08 marks)

END