

Name: .....  
Signature: .....

840/1  
Computer Studies  
Paper 1  
(Theory)  
July/ August 2023  
2 hours



**KAYUNGA SECONDARY SCHOOLS EXAMINATIONS COMMITTEE (KASSEC)**  
**JOINT MOCK EXAMINATION 2023**  
**Uganda Certificate of Education**

**COMPUTER STUDIES**  
**(Theory)**  
**Paper One**  
**2 Hours**

**INSTRUCTIONS TO CANDIDATES:**

- This paper consists of Three Sections A, B and C respectively.
- Answer all questions in section A and B.
- Attempt only one question in Section C.
- No free marks should be expected.

MCQ	FOR TEACHERS USE ONLY										TOTAL
	21	22	23	24	25	26	27	28	29		

## **SECTION A : ( 20 MARKS)**

1. Which one of the following is a function of computers?
  - A. Communication
  - B. Entertainment and leisure
  - C. Mail merge
  - D. Security
2. A computer that could perform all the functions of computing by itself was invented by.....
  - A. Charles Babbage
  - B. John Napier
  - C. William Oughtred
  - D. Gottfried Wilhelm Leibnitz
3. A computer user liberty to attach several external peripherals is represented by.....?
  - A. secondary storage specifications
  - B. CD/DVD drives specifications
  - C. interoperability, portability and extensibility
  - D. display adapter specifications
4. ..... is the computer system software products' structural breakdown used to analyze and establish the composition traceability among the elements of software products.
  - A. Software configuration
  - B. System software and programs.
  - C. Programming software.
  - D. Application software and programs
5. ..... is the quality or sharpness of printed or displayed images depending on the density of the grid of dots that create it.
  - A. Resolutions
  - B. Picture elements – Pixels
  - C. Refresh rate
  - D. Dot pitch
6. Which one of the following software platform will help a computer user to draft and send an e-mail?

- A. Application software
- B. System software
- C. A utility program
- D. A programming platform

7. Which one of the following actions would follow under **document formatting** during word processing.
- A. Correction of spellings and grammar
  - B. Line spacing
  - C. Cutting and pasting of text
  - D. Deleting of text.

8. .... suggests alternative words with the same meaning (**synonyms**) for use in a document.
- A. Auto correct
  - B. Grammar checker
  - C. Thesaurus
  - D. Mail merge

9. Which one of the following applications is a presentation application?
- A. Lotus Freelance Graphics
  - B. Corel Quattro Pro
  - C. Corel Paradox
  - D. Lotus Notes

10. Which one of the following presentation views would help a presenter to quickly rearrange and delete slide.
- A. Slide Sorter View
  - B. Normal view
  - C. Outline view
  - D. Slide show view

11. .... are features needed by a software or hardware to perform a task better?
- A. Minimum specifications
  - B. Recommended specifications
  - C. Hardware specification
  - D. Software specification

12. At what stage of the **booting process** does the **master boot record code check the partition table, loads and executes the operating system kernel into memory**.
- A. Boot loader phase
  - B. POST phase
  - C. Log-on phase

D. Powering of the PC phase

13. Which one of the following computer communication **switches transmits one unit of data at a time?**
- A. Simplex communication switches.
  - B. Broad band communication switches
  - C. Full duplex communication switches
  - D. Base band communication switches
14. .... technology uses radio signals for communication amongst devices with a tag placed in an object.
- A. WAP
  - B. WAN
  - C. RFID
  - D. IrID
15. The segment at the highest level in the Domain Name System Hierarchy is known as the .....  
A. top level domain  
B. second-level Domain  
C. third level domain  
D. path
16. A **cell reference stated as A\$4** is best described as?
- A. Cell address
  - B. A relative address
  - C. Absolute cell address
  - D. Mixed cell address
17. ....is a database object primarily created for data entry and viewing.  
A. A table  
B. A report  
C. A form  
D. A query
18. A record in a database is an equivalent of?  
A. A folder of database files  
B. A table of information  
C. A column of items  
D. A row of items

19. A website feature responsible for recording the number of site visitors is known as.....  
A. action button  
B. hyperlink  
C. banner  
D. hit counter
20. Which one of the following forms of software is developed to solve software needs of many departments in an organization?  
A. Open source software  
B. Horizontal customized software  
C. Commercial software.  
D. Vertical customized software.

### **SECTION B : (60 marks)**

21. a). State two basis up on which computer are classified. **(02 marks)**

.....

b) Give ***two functions*** of computers **(02 marks)**

.....

c) What is computer security **(02 marks)**

.....

d) Give two ways of keeping computers safe. **(02 marks)**

.....

e) State one example of each one of the following;

ii) Computer law in Uganda

(01 mark)

.....  
ii) Computer ethical practice

(01 mark)

22. (a). State the basis for classifying computer storage media

(02 marks)

(b). Give **one example** of solid state storage media

(01 mark)

(c) State **two processes** of the machine cycle

(02 marks)

(d). Explain **one stage** in the booting process.

(02 marks)

(e) Give **three conditions** that can lead to **boot failure**.

(03 marks)

23. (a) Give **two examples** of electronic spreadsheet operators. (2 marks)

(b) Briefly state how you would rename a worksheet. (3 marks)

(c). State one tool that can be used to;  
(i) Ensure **data integrity** in database management systems (02 marks)

(ii) avoid data redundancy:

(d). State one function of a form object in a database management system. (01 mark)

(e) Give **two examples of operators** embedded in electronic spreadsheets. (02 marks)

24. (a). (i). State **two examples of unguided data** transmission media. (02 marks)

(ii). State **two elements** of a data transmission model. (02 marks)

(iii). Distinguish **a gateway from a bridge** as data transmission devices. (01 mark)

(c). State ***two qualities*** of a good website. **(02 marks)**

(d) Distinguish ***sign in*** from ***sign up*** fields as used in electronic mail management systems. **(01 mark)**

(e) State ***two examples*** of ***Plug-in***. **(02 marks)**

25. (a). State ***two features*** of a word processor interface. **(02 marks)**

(b) State the nature of the following word processing tools;

**Line spacing.** **(01 mark)**

**Mail merge.** **(01 mark)**

**Word wrap** **(01 mark)**

(c) State ***two uses of presentation software*** **(02 marks)**

(d) Give three factors one would consider when designing a ***professional presentation***.

**(03 marks)**

26. a). State ***three*** functions of the operating system.

**(03 marks)**

(b). Give ***two examples*** of system optimizing utilities

**(02 marks)**

(c). State ***two examples*** of ***interfaces*** provided by the operating system.

**(02 marks)**

d) Briefly describe the nature of the following software concepts;

**(03 marks)**

**Software suite:**

**Software version:**

## **Public Domain software**

### **SECTION C: (20 marks)**

Attempt **One question** from this Section

27. Explain the implications of ICTs on society today. **(20 marks)**
28. Describe how you would take a step to perform the following tasks. **(10 marks)**
- (ii) Install a computer program
  - (iii) Update your computer lab or home computer with an anti-virus utility.
29. (a) Assuming that you would like to buy a personal computer for your personal business. Select ***two hardware components and explain*** the factors you would consider before buying them. **(10 marks)**
- b) Explain the importance of ***Communication and Networking software.*** **(10 marks)**