

Name: Index No:

SCHOOL: Signature:

840/1

COMPUTER STUDIES

Paper one

Theory

2 ½ hours

Jail A
Baboon B
Bird C
Dolphin D



KAYUNGA SECONDARY SCHOOLS HEAD TEACHERS AND PRINCIPALS' ASSOCIATION
(KASSHPA)

JOINT MOCK EXAMINATIONS, 2023

UGANDA CERTIFICATE OF EDUCATION

Computer Studies

Paper One

(*Theory*)

2 Hours 30 Minutes

A. Kingbird - 226g
B. Grapetone - 24g
C. Blackwinged Stilt - 100g
D. Crested Ibis

INSTRUCTIONS TO CANDIDATES:

- This paper is made up of three Sections A, B and C respectively.
- Answer all questions in section A and B.
- Attempt only one question in Section C.
- Answers in Section A should be written in the box provided against each question.
- Use of relevant examples will lead to bonus marks.

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MCQ	21	22	23	24	25	26	27	28	29	TOTAL

SECTION A: (20 MARKS)

1. A Minicomputer was developed during the computer generation.
A. first
B. second
C. third
D. fourth
2. is the ability of a computer to perform repetitive tasks without getting tired.
A. Automated
B. Diligence
C. Multi – tasking
D. Artificial intelligence
3. The best way of controlling file loss in a computer is by
A. pass - wording it.
B. encrypting it.
C. activating firewalls.
D. backing it up.
4. Continuous use of a laptop can lead to one or more of the following:
 - i. Eye strain
 - ii. Repetitive strain injury
 - iii. Obesity.
 - iv. High blood pressure.
 - v. Impotence.
A. (i) and (ii) only.
B. (i), (iv) and (v) only.
C. (ii) and (iii) only.
D. (v), (i) and (iii) only.
5. A collection of data in a more structured way or catalogue can easily be done by use of:

- A. Spreadsheets.
B. Word processors.
C. Database systems.
D. Presentations.
6. A computer that allows user to download / upload files that are web based is referred to as:
- A. File server.
B. Internet server.
C. Printer server.
D. Web server.
7. A/An is responsible for the movement of data during processing.
- A. data bus
B. registers
C. buffers
D. address bus
8. Files can be saved on the following except:
- A. Floppy diskettes.
B. UPS.
C. Compact disk.
D. Hard disk.
9. When a user deletes a file, it is temporarily kept in the:
- A. Dustbin.
B. Delete folder.
C. My document folder.
D. Recycle bin.
10. I want to organise my work using a grid of rows and columns and perform calculations, I will use a application.
- A. word processing
B. database
C. spreadsheets
D. presentation
11. Giving a document pleasant appearance involves the use of tools.

- A. formatting
- B. editing
- C. bolding
- D. underlining

12. Illegal duplication of computer software is an example of software:

- A. Theft.
- B. Piracy
- C. Cracking
- D. Upgrade

13. Which one of the following can be used for non cable data transmission?

- A. UTP.
- B. Blue tooth.
- C. Fibre optical.
- D. Cat5e.

14. computers are developed to perform a single unique task.

- A. General purpose
- B. Digital
- C. Special purpose
- D. Analogue

15. Which of the following is associated with sequential data access?

- A. Magnetic tapes.
- B. Compact disks.
- C. Flash disks.
- D. Floppy diskettes.

16. The best way of keeping a computer safe and working is by.....

- A. not eating and drinking close to it.
- B. regularly servicing it.
- C. dust blowing it.
- D. Activating firewall.

17..... is the major activity that involves converting data into information.

- A. Input
- B. Storage
- C. Output
- D. Processing

18. Multimedia files includes the following except:

- A. Videos.
- B. Sound.
- C. Animations.
- D. Transitions.

19..... is an example of an impact printer.

- A. Daisy wheel printer
- B. Laserjet printer
- C. Ink jet printer
- D. Thermal printer

20. A collection of integrated software packages with similar features and sold as a single package is a/an

- A. Integrated software.
- B. Packaged software.
- C. Software suit.
- D. Application software.

SECTION B :(60 MARKS)

21. (a). Outline **three** characteristics of a good computer. (03 marks)

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.....

(b). State the difference between **data** and **information**. (02 marks)

(c). Mention any **two** ways you can emphasize data in a word processor. (02 marks)

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(d). State **three** features of personal computers. (03 marks)

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22. (a). What is a computer network? (02 marks)

(b). State **three** dangers of computers network to an organization. (03 marks)

(c). Define a computer protocol? (02 marks)

(d). Write the following in full: (289 AM 03) 8. Answer

Ques. 10. i. **HTTP** is a good protocol to switch between client and server. (01 mark)

ii. TCP/IP (01 mark)

iii. IPX

(01 mark)

23. You are provided with the following table:

Emp_Id	Name	Sex	Date of Birth
JJEB-001	Mukwaya	M	21-04-1980
JJEB-002	Akullo	F	16-12-1992
JJEB-003	Balinda	M	09-10-1983
JJEB-004	Kamoga	M	11-03-1990
JJEB-005	Mutaka	M	31-12-1978

(a). Which key field contains the primary key? (02 marks)

(b). Which key field contains Boolean data? (02 marks)

(c). Write down the input mask for date of birth. (02 marks)

(d).(i).State the formula that return a query using a criteria of date of birth for members who are equal or greater than 20 years. (02 marks)

(ii). State **two** advantages –of using an electronic database by an organization. (02 marks)

24. (a). Define the following terms:

i. **Freeware** (02 marks)

ii. **Shareware** (02 marks)

(b). Outline any three utility programs used in a computer. (03 marks)

(c). Mention any two examples of software suites. (02 marks)

(ii). State any **two** factors you will consider before buying computer software. (02 marks)

25. (a). Distinguish between **data processing** and **word processing**. (02 marks)

(b). Mention one functions of the following parts found inside a **CPU**:

(i). **Control unit.** (02 marks)

(ii). **ALU** (02 marks)

(iii). **Registers.** (02 marks)

(c). State two differences between **RAM** and **ROM**. (02 marks)

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(RAM) RAM is temporary memory which can be changed.

(ROM) ROM is permanent memory which cannot be changed.

26. (a). Define the following terms as used in programming:

(i). **Program Syntax** (02 marks)

Program syntax is the set of rules and regulations that define how a program is written and executed.

Program syntax includes the use of specific keywords, operators, and punctuation marks.

Program syntax also defines the structure and organization of code, such as the use of loops, conditionals, and functions.

(ii). **Variable** (02 marks)

A variable is a named storage location that holds a value that can be changed during the execution of a program.

Variables are typically declared with a specific data type, such as integer or float, and assigned a name.

(b). State **three** examples of high level programming languages. (03 marks)

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

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.....

.....

(ii). Mention **one** function of a tag in a webpage. (02 marks)

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SECTION C : (20 MARKS)

27. (a). Define the term computer virus.(02 marks)
- (b). Explain four ways computer viruses can be transmitted. (04 marks)
- (c). Outline any five dangers of computer viruses to hardware.(10 marks)
- 28 . Explain any ten modern trends in computing that are a security threat.(20 marks)
29. (a). Define a computer laboratory. (02 marks)
- (b). Outline five measures that can be taken to safeguard hardware equipment in a computer laboratory. (10 marks)
- (c). Explain four ways computers can be physically abused. (08 marks)

END

(marks 50)