Names:.....**Index**:.....

School Exam Number:.....**Signature**:.....

*Candidates should**NOT** writetheir Centre Name or Centre Number anywhereon this booklet*

840/1
COMPUTER STUDIES
Paper1
2023
2½ hours

FACILITATION EXAM 2023

S.4 COMPUTER STUDIES

COMPUTER EDUCATION

THEORY PAPER

2hours 30minutes

INSTRUCTIONS TO CANDIDATES:
Write your name in the spaces above.

This paper is made up of **three** Sections*:* **A**,**B** *and* **C** *respectively.*

Section **A** *contains **40 compulsory** objective-type questions .Write your best alternative :***A, B, C** *or* **D,** *in the box provided.*

Section **B** *contains **four compulsory** structured questions. Answers must be written in the spacesprovided.*

Section**C***ismadeupof* **three***questions.Attemptonly***one***questiontobewritteninthe answerpagesprovided.*

	FOREXAMINER'SUSEONLY									
MCQ	**Q21**	**Q22**	**Q23**	**Q24**	**Q25**	**Q26**	**Q27**	**Q28**	**Q29**	**TOTAL**

SECTIONA: (20MARKS)

1. A device that converts images on a paper to electronic signals that can be stored in a computer is a ……..

   A. monitor.
   B. scanner.
   C. plotter.
   D. printer.

2. The binary code that is widely used in microcomputers is called ……

   A. ASCII.
   B. EBCDIC.
   C. BCD.
   D. Unicode.

3. A feature common to most application packages that contains icons or graphic presentations for commonly used commands is ……..…..

   A. toolbar.
   B. menu.
   C. help.
   D. dialog box.

4. The asterisk symbol (*) in DOS is called a(n) ……..

   A. extension.
   B. wildcard.
   C. filename.
   D. substitute.

5. A hardware or software system used to restrict access to data and information on a network is called ……

   A. modem.
   B. netscape.
   C. ARPANET.

7. In a computer system, the system clock is very important because it ……..

   A. is a storage device.
   B. shows the time and date.
   C. determines data process speeds.
   D. turns off the computer after a long time.

8. The following are parts of the Central Processing Unit (CPU) **except**……

   A. ALU.
   B. Control Unit.
   C. mother board.
   D. registers.

9. In computer studies and information technology, a bus is a .....

A. data bus damager.
B. programming error.
C. malicious program.
D. syntax error.

10. In spreadsheets, formulas and functions are used to ..... data.

A. format
B. design
C. edit
D. manipulate

11. Select one tool that controls the size, margins and orientation when working on a word document.

A. Page setup.
B. Print preview.
C. Format.
D. Insert.

12. Fourth generation computing is characterised by the development and use of .....

A. transistors.
B. micro procesors.
C. artificial intelligence.
D. integrated circuits.

13. A query is used to .....

A. enter and edit data.
B. automate the way database is used.
C. locate specific records that meet specified criteria.
D. provide an alternative to tables of entry and view records.

14. Values such as ..... are examples of logical data types.

A. true and false
B. months or years
C. object or graphics
D. binary or numbers

15. Which of the following is an extension for an image file name?

A. .doc
B. .exe
C. .jpeg
D. .xls

16. A hardware on a network or communication system which receives, boosts and retransmits a signal to the next part of a system is a ……..

A. router.
B. hub.
C. gateway.
D. repeater.

17. A ……., or character is composed of eight ……

A. kilobyte, megabytes.
B. bit, bytes.
C. megabyte, kilobytes.
D. byte, bits.

18. The graphics interface usually moves and points the cursor with the ……..

A. function key.
B. toggle key.
C. mouse.
D. Num lock.

19. A spreadsheet that already includes the labels and formulas is called the ……

A. template.
B. macro.
C. graphic.
D. worksheet.

20. The linking of one or more computers together to communicate and share resources is called ……

A. transmission.
B. networking.
C. packet switching.
D. on-line browsing.

SECTIONB (60MARKS)

This Section *consists of* **six** *questions.*
Answer **ALL** *questions and fill your answers in the spaces provided.*

21. (a) (i) Distinguish between Computer generation from Computer evolution? ***(02marks)***

……..……

……..……

……..……

(ii)State ***two*** main characteristics of the following generations.

(02marks)

Third generation	**Four generation**

(iii) Identify ***two*** limitations of computers?

(01marks)

…..……

……..……

(b) Explain how computers are used in each of the following sectors.

(01marks)

i) Education

……..…..……

……..…..……

……..…..……

ii) Entertainment. ***(01marks)***

……..…..……

……..…..……

iii) Distinguish between ***Main frame*** computers from ***mini computers***. ***(02marks)***

……..…..……

……..…..……

……..…..……

22. (a) (i) Distinguish between ***Impact*** from ***Non-impact printers***?

(02marks)

……..…...…….……

……. ……..…..…….……

(ii) State any two functions of following components in a processor.

(02marks)

A.L.U arithmetic logic unit.

……..…...…….……

……..…...…….……

……..…...…….……

C.U control unit.

……..…...…….…….……

……..…...…….…….…

……..…...…….……

(iii) State any ***one*** factors considered when purchasing storage media.

(01marks)

……

……

(v) Define the following terminologies ***(02marks)***

a) Solid state devices.

……

……

b) Optical storage Device.

……

……

(b) (i) State any two reasons for restarting a computer? ***(2marks)***

……

……

(ii) State the function of the following during the booting process.

a) BIOS (ROM- BIOS)

……

b) CMOS.

……

23 a) In relation to Application software, Distinguish terms used in database software. ***(02 mark)***

Record.

……

……

Field.

……

……

b) Study the Database table below and answer the questions that follows.

Id No.	Name	Home	Tel
D001	Sendagire	Luweero	+256772336486
Doo2	Kyagulanyi	Kamwokya	+256772202108

i) State one examples of the following from the above table. ***(02 mark)***

Record ……

Field ……

c)i Give any one advantages of coding data in DBMS. ***(02 mark)***

……

……

ii Define the following as used in spread sheet software. ***(02 marks)***

(i) Work book.

……

……

(ii) A work sheet.

……

……

(iii) Explain the following errors in spreadsheet formulas. ***(03marks)***

(i) (############) Hash Symbol

……

(ii) (#VALUE!) Value error

……

(iii) (DIV/0!)

……

24. (a) Distinguish between ***Communication software*** and ***Web browser***.

(02marks)

……

……

(i) State any ***one*** example of communication Software and Web browsers you know. ***(02marks)***

Communication Software

……

Web browser

……

(b)i Define the term web authoring software ***(01mark)***

……

……

(ii) List two examples of a web authoring software ***(02marks)***

……

……

(iii) Write short notes on the following network protocol. ***(02marks)***

SMTP

……

……

FTP

……

……

(iv) Give **two** requirements needed to setup a Local Area Network. ***(01mark)***

……

……

……

……

25. (a) Explain any two uses of word processor in the business.
(02marks)

……

……

(b) (i) Explain the following terms related to word processing? ***(04marks)***

Superscript from ***sub script***

……

……

Justification from ***indentation***.

……

……

(ii) State any on advantages of presentation software. ***(01marks)***

……

……

(c)i State any one presentation movement you know?
(01marks)

……

……

ii Explain the following features of presentation software. ***(02 marks)***

Slide sorter view.

……

……

Transition loop

……

……

26. (a) Distinguish between **off the shelf** *from* **Customized Software**
(*02marks)*

……

……

……

(b) (i) State any ***two*** qualities of a good application software. ***(02marks)***

……

……

(ii) Sate any ***two*** advantages of off the shelf software.

(02marks)

……

……..……..

(c) (i) State any ***two*** categories of operating system. **(*02marks)***

……

……..……

(ii) Define the following related to programming. ***(02mark)***

a) A linker

……

……..……..…

b) Pseudo code.

……

……..……..…

SECTION C: (20Marks)

Answer only one question from this section
Answers to the question must be written in the answer booklet provided.

27. (a) Briefly explain any ***five*** components of a computer system case ***(20marks)***

28. (a) As a student your school head teacher needs to install internet in a computer lab briefly describe any four divices that can be used to conect the internet

(08marks)

b) Describe any services that are provided by the internet

29. a) Clearly explain the computer power up procedures.

(05marks)

b) Explain ***five*** circumstances that may require you to restart your laptop.

(15 marks)

END