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 SET TWO

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. The scientific milestone of using Integrated Circuits (IC) was a characteristic of the

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

2. Which of the following suite computers in next 10 years.

A. Limited storage capabilities.
B. Big screen to display content to user.
C. In built artificial intelligence to implement robotics.
D. Wide range of peripheral devices.

3. Which of the following is a primary database structure?

A. Form
B. Query
C. Report
D. Table

4. Which one of the following software displays slides as an output?

A. Presentation
B. Word processing
C. Spreadsheets
D. Internet explorer

5. In computer studies, Computer ethics is……

A. Set of rules for sending and receiving e-mails.
B. Being a computer litrate.
C. Set of moral principles that regulate the use of computers.
D. Having knowledge and understanding on how to operate computers.

6. Artificial environment created with computer hardware and software is …..

A. Artificial intelligence.
B. Robotics.
C. Multimedia.
D. Virtual reality

7. Which of the following application software can be used to perform automatic calculation.

A. Web authoring software.
B. Word processing software.
C. Enterprise computing software
D. Spread sheet software

8. What is the most appropriate data type for graphics in database?

A. Hyper link
B. Memo
C. Report
D. OLE objects

9. …… is a word processing feature that suggests the alternative words with the same meaning for use in the document.

A. Word wrap
B. Spell checker
C. Grammar checker
D. Thesaurus

10. Which of the following represent an application of presentation software.

A. Display e-mail messages
B. Desktop publishing.
C. Printing and addressing a set of letters
D. A visual aid to enhance communication

11. Which of the following represent a group of system software?

A. Spreadsheet, Language processor, Device driver.
B. BASIC, Linux off the shelf
C. Linux, Language processor, Device driver
D. Microsoft word, Language processor and Device driver

12.……is an address that does not change when a formula is copied to another location in spreadsheet.

A. Absolute address
B. Relative address
C. Mixed address
D. Formula address

13.……is the best for creating, sorting and retrieving large volumes of related information.

A. Microsoft word
B. Database
C. An e-mail
D. A word file

14. The use of ……is characterized with web designing software.

A. Tags
B. Mail merge
C. Queries
D. Formulas

15. A …….. makes it easy to find your way round the internet.

A. Network browser
B. Microsoft word
C. Compiler
D. Digital camera

16. One way of protecting the information on a computer is . . . . .

A. Defragmenting the disk
B. Formatting the disk
C. Sorting the data on the disk
D. Backing up the data onto different media.

17. Achen wants to get some information from the internet on designing success cards for her Fine Art examination. What kind of software would she need to use to get his information?

A. web browser
B. web authoring software
C. E-mail software.
D. Desktop publishing

18. The points of connection between a computer (motherboard) and its peripherals are

A. network cards
B. ports.
C. cables.
D. sockets

19. Blue tooth, infrared and Satellite are examples of

A. Fastest transmission media
B. Guided transmission media
C. Unguided transmission media
D. Direct transmission media

20. Computer programs used in tasks such as a removal of virus or data compression can be categorized as;

A. Desktop publishing
B. communication program
C. Utility programs
D. Spread sheet program

SECTIONB (60MARKS)

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

21. (a) (i) Distinguish between Mechanical computer from Electro - mechanical computers ? ***(02marks)***

……..……

……..……

……..……

(ii) State two reasons to support the study of the history of computers. ***(02marks)***

……..……

……..……

……..……

(iii) Mention the major innovation in the following computer generations? ***(02marks)***

Generation	Innovation
Second generation	
Four generation	

(b) i. Define the term computer ethics. ***(01marks)***

……..…..……

……..…..……

(ii) As a computer studies student, List any two ethical guidelines followed when using computers. ***(02marks)***

……..…..……

……..…..……

(iii) State any two computer laboratory maintenance tool and give its function. ***(01marks)***

……..…..……

……..…..……

22. (a) (i) Distinguish between computer hardware from computer system? ***(02marks)***

……..…...…….……

……. ……..…..…….……

(ii) State the functions of the following keys on the keyboard.. ***(02marks)***

Caps lock

……..…...…….……

……..…...…….……

Space bar

……..…...…….…….……

……..…...…….…….…

Back space.

……..…...…….…….……

……..…...…….…….…

(iii) Describe the steps for storing data on flash disk ***(02marks)***

……

……

……

(v) State any ***two*** advantages of Hard disk compared to other storage media. ***(01marks)***

……

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(b) (i) State any one method of carrying out a warm booting? ***(1mark)***

……

……

(ii) Distinguish between Cold from warm booting. ***(2marks)***

……..…

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……

23 a) In relation to database, Distinguish between the following terminologies

i. ***Validation rule*** from ***Validation text***. ***(01 mark)***

……

……

ii. ***Primary key*** from ***Wild card***. ***(01 mark)***

……

……

b) (i) Give any ***one*** way to ensure data integrity in electronic databases applications. ***(01marks)***

……

……

(ii) Give two advantages of using a primary key in database table. ***(02marks)***

……

……

……

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

(i) Cell address.

……..……

……...

(ii) Active cell.

……..……

……..……

(iii) State any ***two*** types of number format you would expect in a Spread sheet cell. ***(02 marks)***

…...……

……..

State any two operators used in spreadsheets application. ***(01marks)***

…...……

……..

24. (a) Distinguish between peer to peer networks and Client server. ***(02marks)***

……

……

(i) Intranet from Extranet

(02marks)

……

……

(ii) Mention two types of wireless data transmission. ***(02marks)***

……

……

(b)i State any one limitations of a website ***(01marks)***

……

……

(ii) List two reasons for the school to have a website ***(02marks)***

……

……

(iii) Mention two services provided by internet ***(01mark)***

……

……

25. (a) Distinguish between **presentation software** *from* **word processing**. ***(02marks)***

……

……

(b) (i) Explain the following features of a word processing interface?

(03marks)

Tool bar

……

……

Menu bar.

……

……

Scroll bar.

……

……

(ii) Why sound may be added to a presentation. ***(01marks)***

……

……

(c)i *E*xplain the following terms as used in presentation
Software ***(03marks)***
Slide sorter

……

……

Slide layout

……

……

Slide show

……

……

ii) Describe the importance of a slide master. ***(01mark)***

……

……

……

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

……

……

……

(b) (i) Define and give any two functions of the following system
Soft wares ***(04marks)***
Operating system

……

……

……

……

Device driver

……

……

……

(ii) Distinguish between Assembly language from Machine language.

(02marks)

……

……..……..

(c) (i) State any two examples programming language you know.

(*02marks)*

……

……..……

SECTION C: (20Marks)

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

27. A computer sytem comprise of human ware, hardware, software, data procedure and communication. Describe the importance of each component. (20marks)

28. Computers have got wide range of hardware that can facciltate information processing. Describe the Hardware devices for information processing. (20marks)

29.(a) As a computer sudent, you have been asked to guide a person about cyber crime. Explain the different forms of cyber crime you know. (10marks)

(b) Describe the different ways how cyber crime can be controlled. (10marks)

END