| NAME: | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

**********

# INTERNAL MOCK EXAMINATIONS SET II-2018
# S.4 COMPUTER STUDIES 840/1
# Theory Paper.
# TIME: 2 HOURS 30 MINUTES

## INSTRUCTIONS TO CANDIDATES:

- *Write your **NAME**, **SIGNATURE** and **STREAM** in the spaces above.*
- *This paper consists of three Sections A, B and C.*
- *Section A contains 20 **compulsory** objective type questions.*
- *The correct alternative A, B, C or D must be written in the **box provided** on the first page. Only the final choice of alternative should be written. Unclear and crossed out work will NOT be marked.*
- *Section B contains six compulsory structured questions*
- *Answers to Section B must be written in the spaces provided in the question paper.*
- *Section C contains three equally weighted essay questions. Answer only one.*
- *A plan for the Section C number you have attempted should be made on the page containing Section C questions. Answers to Section C must be written in the answer sheets provided.*

## Answers to Section A.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3 | | 5 | | 7 | | 9 | | 11 | | 13 | | 15 | | 17 | | 19 | |
| 2 | | 4 | | 6 | | 8 | | 10 | | 12 | | 14 | | 16 | | 18 | | 20 | |

## For Examination Use Only

| MCQ | Q21 | Q22 | Q23 | Q24 | Q25 | Q26 | Q27 | Q28 | Q29 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## SECTION A (20 Marks)

***Attempt all questions in this section by filling the right alternative on first page.***

1. Which one of the following is the largest storage space?
   A. Megabyte B. petabyte C. terabyte D. gigabyte

2. Operating system, editors, and debuggers are classified under?
   A. System Software B. Application Software C. Utilities D. Programming tools

3. Which one of the following extends a private network across public networks?
   A. local area network
   B. enterprise private network
   C. storage area network
   D. virtual private network

4. …… are used to tell the browser how to display content.
   A. Search engines B. Gophers C. Tags D. Archives

5. The diagnostic routine which runs when your computer powers on is called
   A. POST B. Power signal C. BIOS D. Motherboard

6. What kind of hardware would you use to store finger prints into a computer?
   A. Biometric device B. Scanner C. MICR D. Touch pad

7. The ……..is the characteristic which will affect how bright images can appear on a computer screen
   A. Screen resolution B. Dot pitch C. Refresh rate D. Screen size

8. What happens when you delete a file from a flash disk
   A. It is temporarily deleted
   B. It is placed on the recycle bin
   C. It is permanently deleted
   D. It is placed in my documents folder

9.

10. The term used to mean transmission of only one signal at a time is called?
    A. Base band transmission
    B. Broad band transmission
    C. Asynchronous transmission
    D. Duplex transmission

11.

| NAME: | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

12. The future generation of computers will be characterized by advanced robotics, computer vision based robots and …….
A. Expert systems B. Mechanical systems C. Neural networks D. Autonomous systems

13. In the Uniform Resource Locator http://www.mterc.org, .org can be treated as the ……
A. Top level domain B. Protocol C. Domain name D. Link or resource feed

14. ……is a box on the screen that contains a list of options from which only one can be selected
A. Combo box B. Dialogue box C. List box D. Text box

15. The first screen that appears when a computer is turned on is a……..
A. log on screen B. desktop screen C. welcome screen D. none

16. …… is a feature in spread sheet that moves the second word below in the same cell.
A. Word wrap B. Wrap text C. Text wrap D. Character map

17. A line of text that appears below an object to label it in word processing is called……
A. end note B. caption C. label D. cell address

18. A feature that allows a user to access his/her electronic mails when using internet is called……
A. log in B. sign in C. chip in D. enter password

19. In data base a……...…..object is used to display results depending on a given set of criteria used.
A. table B. form C. query D. report

20. A……..is a special interactive white board that requires the user to enter data using finger or a special marker pen.
A. White board B. Notice board C. Smart board D. Touch screen

21. Electronic mail messages move in……from one IT device to another.
A. Envelopes B. Packets C. Clusters D. Groups

22. Which of the following data transmission modes takes place in both directions but not simultaneously?
A. Simplex B. Parallel transmission C. Full Duplex D. Half duplex

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

## SECTION B (60 Marks)

***Attempt all questions in this section in the spaces provided.***

23. Identify any three hardware devices that are both input and output devices. ***(03 marks)***

……

……

……

……

……

……

b) Mention any four parts of a keyboard. ***(04 marks)***

……

……

……

……

……

……

……

c) Mention any three pointing devices that you know. ***(03 marks)***

……

……

……

……

……

24. a) Define a computer port with an example ***(02 marks)***

……

……

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

……

……

……

b) Identify the colors of the following computer ports. ***(02 marks)***

PS/2

Mouse:……

……

Microphone

(input):……

……

c) Name the computer port that would ***(02 marks)***

(i) Transmit only one bit of data at a time

……..……...

(ii) Transmit more than one bit of data at a time

……..……

d) Give three examples of devices that can be connected to a computer system using wireless technology.

***(03 marks)***

(i)……

……(ii)……

……..…

(iii)……

…….

d) State one measure computer users can take to safeguard computer ports. ***(01 mark)***

(i)……

……

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

25. a) Define the concept of a form object in Data Base Management Systems ***(02 marks)***

……

……

……b)

State three controls that can be taken to ensure data integrity in an electronic database. ***(03 marks)***

……

……

……

……

……

c) Give two functions of a form object in an electronic database ***(02 marks)***

……

……

……

……

……

……

……

d) State any one use of each one of the following electronic Spreadsheet functions. ***(03 marks)***

(i) Rank Function

……

……

…… (ii)

IF Function

……

……

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

…… (iii)

Product Function

……

……

……

26. a) State three technical activities involved in the planning phase of the programming process.

***(03 marks)***

……

……

……

……

……

……

b) Name two shapes usually used when developing program structures/flow charts.

***(02 marks)***

……

……

……

c) State two electronic operations organizations can take to ensure safety of digital content.

***(02 marks)***

……

……

……

d) Give three professional functions of a web master. ***(03 marks)***

……

……

……

……

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

……

……

……

……

27. a) Differentiate a file from a folder. ***(02 marks)***

……

……

……

……

……

b) Name the applications software associated with the file extensions below. ***(04 marks)***

i. .txt

……

……..…….

ii.

.html……

……

iii.

.jpeg……

……..……..

iv.

.pptx……

……..……..

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

c) Nviiri has 3GB of music files and he wants to store his music on compact disks. How many compact disks will he need? ***(02 marks)***

d) List any two details of a file stored by an operating system. ***(02 marks)***

……

……

……

……

……

28. a) List any three special purpose computers.
***(03 marks)***

……

……

……

……

……

b) Distinguish between analog and digital computers giving an example of each. ***(04 marks)***

……

……

……

……

……

c) List any three tips of creating a good password that you know. ***(03 marks)***

……

……

| NAME : | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

……

……

……

## SECTION C (20 Marks)

***Answer any one question from this section***

29. "The role of the Internet can never be under stated again today."

Explain the impact of the internet resources on communities in Uganda today. ***(20 marks)***

30. (a) Define the concept of trouble shooting. ***(02 marks)***

(b) State the steps that can be taken to solve the following problems on a computer.

i. The computer has frozen and the program is not responding. ***(03 marks)***
ii. The printer is not printing ***(03 marks)***
iii. The Keyboard is not working ***(03 marks)***
iv. The scanner is not working. **(03 marks)**

c) Mention any three activities carried out during computer servicing and their purpose. ***(06 marks)***

31. Explain the functions of the following networking devices;

***(10 marks)***

i. Router
ii. Switch
iii. Network Interface Card
iv. Bridge
v. Gateway

b) Mention any five advantages of networking computers. ***(10 marks)***

| NAME: | | INDEX NO. | | STREAM: | | SIGN: | |
|---|---|---|---|---|---|---|---|

***End***