

NAME.....CENTRE/INDEX NO ...../  
SIGNATURE .....

840/1  
COMPUTER STUDIES  
Paper 1  
July, 2013  
Duration: 2½ hours

**UGANDA CERTIFICATE OF EDUCATION**  
**MOCK EXAMINATION 2013**  
**COMPUTER STUDIES**  
**PAPER 1**  
**TIME: 2 hours 30 minutes**

**INSTRUCTIONS TO CANDIDATES**

- Write your name, signature and index number 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 right hand side of each question
- 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 essay questions. Answer only one. Answers to Section **C** must be written in the answer sheets provided.

**For Examination Use Only**

MCQ	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	TOTAL

**SECTION A (20MARKS)**

*Answer all questions in this Section*

1. A scientific milestone in the fourth generation was the development of the  
A. Vacuum tube  
B. Transistor  
C. Intergrated circuit  
D. Microprocessor
  
2. The computer brand ENAC was most likely invented in the.....?  
A. First generation  
B. Second generation  
C. Third generation  
D. Fourth generation
  
3. What name is given to the device that interpretes and executes the instructions in the computers  
A. Control Unit  
B. CPU  
C. Base Unit  
D. System unit
  
4. Some computer components such as the ....., reside outside the system unit, that is they are.....  
A. Floppy disk and hard disk; internal  
B. Printer and microphone; internal  
C. Keyboard and monitor; peripherals  
D. Processor and memory; external
  
5. What input device is used to translate images such as pictures or documents into digital form for processing?  
A. Scanner  
B. Joy stick  
C. Pixel reader  
D. Sensor
  
6. What another name is usually used to refer to main memory?  
A. Auxilliary memory  
B. Read only memory  
C. Virtual memory  
D. Primary memory

7. A kilobyte is approximately equal to
- A. 1000 bytes
  - B. 10,000 bytes
  - C. 1000,000 bytes
  - D. 1,000,000,000 bytes
8. The computer icon Dr. Herman Hollerith is remembered for
- A. Inventing the abacus
  - B. Inventing the HETS
  - C. Inventing the Slide Rule
  - D. Inventing the Napier Bones
9. How many bits would be used to store the name SANE?
- A. 8
  - B. 48
  - C. 32
  - D. 16
10. A magnetic tape is considered a sequential storage media because the computer
- A. Can go directly to a specific record
  - B. Can access records in any sequence
  - C. Must write and read tape records one after the other
  - D. Must copy all records to disk before transferring the data to memory
11. How many floppy diskettes of 1.44MB capacity can be used to accommodate data stored on a 700MB flash disk?
- A. 406
  - B. 486
  - C. 506
  - D. 586
12. Which of the following mouse shapes would you use to change the size of a window?
- A. Hour glass mouse shape
  - B. 1 beam mouse shape
  - C. Four sided arrow mouse shape
  - D. Two sided arrow mouse shape
13. If you want to close the open application on the computer screen you select the
- A. Start and shutdown button
  - B. Maximise button
  - C. Minimise button
  - D. close button
14. If the signs ##### fill a cell in spread sheets, it means
- A. The cell is not active
  - B. The formula is impossible
  - C. The column is not wide enough
  - D. The row is not tall enough

15. What is the dotted outline which keeps flashing around a cut item in excel called
- A. Dotted line
  - B. Marking
  - C. Marked line
  - D. Marquee
- 
16. Which of the following terms is used in web design to connect a page or a file to another?
- A. Hyper web
  - B. Hyper link
  - C. Hyper text
  - D. Linker
- 
17. The view in presentation software that allows you to get a light table for viewing multi slides is
- A. Slide sorter view
  - B. slide page view
  - C. Notes page view
  - D. Outline view
- 
18. The rights enforced by laws accorded to a developer of software is called
- A. Patent right
  - B. Copy right
  - C. Trade mark
  - D. trade secretary right
- 
19. The feature which allows a user to type continually without pressing the enter at the end of each line is called .....
- A. Reaping
  - B. Return
  - C. Word wrap
  - D. Mail merge
- 
20. The basic use of a primary key in a database is to
- A. Sorts records
  - B. Modify a file structure
  - C. Act as an alternative modifier
  - D. Uniquely identity a record.
- 

**SECTION B: COMPULSORY (60 MARKS)**

*Answer all questions in this section. All the working must be done in the spaces provided.*

21. (a) Distinguish between computer memory and computer storage. (2marks)

.....

.....  
.....  
.....

(b) State four devices that can facilitate data movement from one place to another. (4marks)

(i) .....  
.....

(ii) .....  
.....

(iii) .....  
.....

(iv) .....  
.....

(c) State the technological differences between first generation computers and fourth generation computers. (4marks)

(i) .....  
.....

(ii) .....  
.....

(iii) .....  
.....

(iv) .....  
.....

22. (a)(i) What do you understand by the terms below in reference to presentation software. (3marks)

**Slide sorter view**.....  
.....

.....  
**Notes page view** .....

.....  
**Saving** .....

(ii) Give **two** advantages of a hard copy over a soft copy. (2marks)

(b) State **four** features that make use word processing software preferred to Ordinary typewriter. (4marks)

(i) .....

(ii) .....

(iii) .....

(iv) .....

(c) Mention **one** example of word processing software. (1mark)

23. The worksheet below shows a schools' bills (In dollars) paid for the months of January, February and March.

	A	B	C	D	E	F
1		Jan	Feb	Mar	Total(\$)	Average(\$)
2	Rent	72	72	106	250	83.33
3	Electricity	24	0	66	90	30
4	Telephone	96	90	114	300	100
5	Stationary	48	38	64	150	50
6	Total	240	200	350	790	

- (a) Write down the formulas to calculate;  
 (i) Totals for the months of Jan, Feb and Mar (3marks)

**Rent** .....

**Electricity**  
 .....

**Telephone**  
 .....

- (ii) Averages for the months of Jan, Feb and Mar. (3marks)

**Rent** .....

**Electricity**  
 .....

**Telephone**  
 .....

- (b)(i) It was an error to enter zero (0) in cell C3. State the **two** cells in which the values would change automatically when the correct amount is put. (2marks)

.....  
 .....  
 .....

- (ii) List the values in the range D4:E5. (2marks)

.....  
 .....

24. (a) Explain the following terms:

(i) **Email** (1mark)

.....  
.....

(ii) **Hyper link** (1mark)

.....  
.....

(iii) **Web browser** (1mark)

.....  
.....

(iv) **Web master** (1mark)

.....  
.....

(b)(i) Write the abbreviation **URL** in full. (1mark)

.....

(ii) Write down **two** examples of **URL**. (2marks)

.....  
.....

(c)(i) What is **ISP** in full in relation to internet? (1mark)

.....

(ii) State the one use of an **ISP**. (1mark)

.....

(iii) State any **one** ISP in your country. (1mark)

.....

25. (a) In relation to computers, explain the meaning of the following terms. (2marks)

(i) **LAN**.....  
.....

(ii) **WAN**  
.....  
.....  
.....

(b)(i) Outline **three** merits of networking computers. (3marks)  
.....  
.....  
.....

(ii) Outline **three** disadvantages of networking computers. (3marks)  
.....  
.....  
.....

(c) What is a **server** in a computer network? (2marks)  
.....  
.....  
.....

26. (a) A system Unit is one of the main components found in a computer system. List any **four** components that make up a system unit. (4marks)

(i) .....  
.....

(ii) .....  
.....

(iii) .....

(iv) .....

(b) Briefly explain the function of any **three** components you have given in (a) above.  
(6marks)

(i) .....

(ii) .....

(iii) .....

**SECTION C:(20 MARKS)**

*Answer only **one** question from this Section. Answers to the question **must** be done in the answer booklet provided.*

27. (a) Distinguish between in-house and standardized application software.  
(2marks)
- (b) Your school wants to buy a computer system to help them out in processing student's reports, school fees defaulters, communication and general office work.
- As a student of computer studies the possible specifications the school should consider before buying that computer set (18marks)
28. Identify and explain the resources that make Internet a very useful tool to man kind. (10marks)
- (c) *Explain the demerits of the internet to society today.* (10marks)
29. (a) Explain what is meaning of the terms **Volatile** and **non-volatile** when referring to primary memory. (4marks)
- (b) Explain the advantages and disadvantages of using primary and secondary storage devices. (16marks)

**END – GOD BLESS YOUR WORKS ALWAYS**

**END**