

Candidate's name .....

Signature .....

Random No.						Personal No.		

(Do not write your School/Centre Name or Number anywhere on this booklet).

**840/1**  
**COMPUTER STUDIES**  
**Paper 1**  
**Oct. / Nov. 2022**  
**2½ hours**



**UGANDA NATIONAL EXAMINATIONS BOARD**

**Uganda Certificate of Education**

**COMPUTER STUDIES**

**Paper 1**

**2 hours 30 minutes**

**INSTRUCTIONS TO CANDIDATES:**

*Write your name, signature, random and personal 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** against each question 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** equally weighted practical-theory questions. Answer only **one**. Answers to section **C** must be written on the answer booklets provided. Any additional questions(s) answered will **not** be marked.*

**For Examiners' Use only**

MCQ	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	TOTAL

## SECTION A: (20 MARKS)

Answer **all** questions in this section.

1. The following devices were invented during the mechanical era **except**
  - A. Leibniz Calculator.
  - B. Analytical engine.
  - C. Pascal's arithmetic machine.
  - D. Logarithm tables.☐
  
2. Which of the following HTML tag doesn't require an end tag?
  - A. <U>
  - B. <BR>
  - C. <B>
  - D. <UL>☐
  
3. An intranet is a
  - A. security system to protect against external threats.
  - B. network that used to connect suppliers and producers.
  - C. private network within an organization that may have one or more LANs.
  - D. program that increases the performance of a large organization.☐
  
4. One million characters of storage capacity is a
  - A. Terabyte.
  - B. Kilobyte.
  - C. Gigabyte.
  - D. Megabyte.☐
  
5. A measure that can be employed to prevent unauthorized access to a wireless is.
  - A. firewall activation.
  - B. burglar proofing.
  - C. software licensing.
  - D. software piracy.☐
  
6. The acronym HTTP stands for
  - A. High Text Transmission Protocol.
  - B. Hyper Text Transfer Protocol.
  - C. Hyper Text Transformation Protocol.
  - D. High Text Transfer Protocol.☐

7. In word processing , the process of trimming parts of an image is referred to as
- A. editing.
  - B. compressing.
  - C. resizing.
  - D. cropping.

☐

8. The term Computer software refers to
- A. tangible parts of a computer.
  - B. computer programming language.
  - C. a set of instructions that run a computer.
  - D. a set of processes in a computer.

☐

9. The group of storage devices that use reflected light to read and write data stored on them is
- A. flash disk, floppy diskette, and zip disk.
  - B. memory stick, memory card, and flash disk.
  - C. compact disk, digital versatile disk and blu-ray disk.
  - D. smart card, micro film, and microfiche.

☐

10. Distinguish between a web page and a website.
- A. A webpage is a hypertext document on the www while a website is a collection of related web pages.
  - B. A web page is the main page on a website while a website is a collection of webpages.
  - C. A webpage is a hypertext document on the www while a website is a uniform resource locator.
  - D. A webpage is a hypertext document on the www while a website is the main tool of the www.

☐

11. Given below are features of Ms-Excel application window **except**.
- A. horizontal scrollbar.
  - B. horizontal ruler.
  - C. cell pointer.
  - D. formula bar.

☐

12. The number of years the copyright law in Uganda offers protection to a computer program is.
- A. 70.
  - B. 100.
  - C. 60.
  - D. 50.

☐

13. Memory management in a computer is a function of
- A. Application software.
  - B. Operating system software.
  - C. Utility programs.
  - D. Programming languages software.
14. Which of the following is a feature of presentation software?
- A. Mail merger.
  - B. Forms.
  - C. Animations.
  - D. Reports.
15. The ability to hold online meetings with several people in different geographical locations is referred to as
- A. video conferencing.
  - B. short messaging services.
  - C. online charting.
  - D. instant messaging services.
16. A computer may not boot due to the failure of the following **except** the
- A. hard disk.
  - B. application software.
  - C. power supply.
  - D. system software.
17. The appropriate filed data type that should be assigned to the number **BK702789** is
- A. Text.
  - B. Memo.
  - C. Number.
  - D. Lookup.
18. The **working memory** refers to
- A. Auxiliary Memory.
  - B. Permanent Memory.
  - C. Read Only Memory.
  - D. Random Access Memory.

19. The authentic product is determined by the product

- A. brand name.
- B. digital stamp.
- C. key.
- D. code.

☐

20. Arrange in order the following steps in information processing:

- (i) Input of data      (ii) processing of data
- (iii) output of data      (iv) storage of data

- A. (i), (ii), (iv) and (iii).
- B. (iv),(ii), (i) and (iii).
- C. (i), (iii), (iv) and (ii).
- D. (ii), (i), (iii) and (iv).

☐

### SECTION B (60 MARKS)

*Answer **all** questions in this section*

*All answers **must** be written in the spaces provided.*

21. (a) Explain the following characteristics of a computer?

(i) Diligence.

(02 marks)

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.....

(ii) Versatility.

(02 marks)

.....

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(b) Give **one** reason why it is important to study computer.

(02 marks)

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(c) Describe **two** ways in which computers can be used to commit crimes. (04 marks)

(i) .....

.....

(ii) .....

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22. (a) Most personal computers have three communication ports.

(i) What is a port? (02 marks)

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(ii) Give examples of these ports. (03 marks)

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(b) Give **two** reasons why a disk is formatted. (02 marks)

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(c) Write **three** steps involved in formatting a disk. (03 marks)

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23. (a) The spreadsheet below shows scores for four houses during their sports. Use it to answer questions that follow.

	A	B	C	D	E	F
1	HOUSE	NETBALL	SWIMMING	FOOTBALL	VOLLEYBALL	TOTAL SCORE
2	Red	6	5	8	10	
3	Blue	10	9	5	9	
4	Yellow	3	7	9	8	
5	Green	7	6	11	10	
6						

- (i) Write the cell address of the active cell. (01 mark)

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- (ii) Write a function that will return the value of the total score for Yellow House. (02 marks)

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- (iii) Write the function that will compute the highest total score. (02 marks)

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- (b) Describe each of the following terms used in database:

- (i) A table. (01 mark)

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- (ii) Query. (02 marks)

.....

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- (iii) Data types. (02 marks)

.....

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**24.** (a) Explain the meaning of the following data transmission modes and mention **one** example in each case:

(i) Simplex transmission. (02 marks)

.....  
.....

Example (01 mark)

.....

(ii) Full duplex transmission. (02 marks)

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.....

Example (01 mark)

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(b) State the function of hyperlinks in web publishing. (01 mark)

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.....

(c) State **three** challenges of maintaining a website. (03 marks)

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.....

**25.** (a) Explain the following tools as applied in word processing:

(i) Caption. (02 marks)

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.....



(ii) Footnote. (02 marks)

.....

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(iii) Thesaurus. (02 marks)

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(b) State the importance of a presentation software. (02 marks)

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(b) What is a master slide in a presentation software? (02 marks)

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**26.** (a) (i) Explain the term utility programs. (02 marks)

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(ii) Name **three** examples of utility programs. (03 marks)

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- (b) (i) State **three** advantages of packaged software. (03 marks)

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- (ii) Give any **two** applications in a packaged software. (02 marks)

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### SECTION C. (20 MARKS)

*Answer only **one** question from this section.*

*Answers to the question must be written in the answer booklet provided.*

- 27.** You have been given a task to network computers in a room. One of the computers should be set up as a proxy server for other computers. Describe the steps you would follow to set up the network. (20 marks)
- 28.** (a) Explain any **five** technologies that have made business transactions cheaper. (10 marks)
- (b) Give **five** reasons that have led to slow adoption of technology in Uganda. (10 marks)
- 29.** (a) Describe the steps that can be taken to copy a file from a hard disk to a flash disk. (10 marks)
- (b) Explain the functions of any **five** hardware components of a computer system unit. (10 marks)