

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. 2024
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 numbers 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** equally weighted practical-theory questions. Answer **only one** question. Answers to Section **C** must be written in the answer booklet(s) provided.

Any additional question(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 the questions in this section.

1. Surge protectors in the computer laboratory are used to
A. back up databases.
B. regulate electricity supplied to the computer.
C. protect the computer against viruses.
D. prevent software piracy.

2. A network device used in a transmission system to regulate a signal is a
A. repeater.
B. modem.
C. switch.
D. amplifier.

3. Formatting in a word processor means
A. saving a document.
B. creating headers and footers.
C. setting up document pages.
D. changing the appearance of characters.

4. The correct tag for a paragraph in HTML is
A. </P> <P>
B. <P> </P>
C. <P> <P>
D. </P> <P/>

5. The importance of the power supply unit in a computer is to
A. support data processing in the CPU.
B. provide backup power for use in the absence of the main power.
C. distribute power to other parts of the computer.
D. provide storage space for data or information.

6. The stage that ends the booting process is
A. find boot sector.
B. loading operating system.
C. power-on self-test.
D. power up.

7. End-user software can best be referred to as
- A. application software.
 - B. language processor.
 - C. system software.
 - D. utility programmes.
8. Select a statement that is true about analogue computers.
- A. Analog computers transmit data the same way as digital computers.
 - B. All analogue computers are general purpose computers.
 - C. Analog computers are the ones that are used to measure discrete data.
 - D. Analog computers are the ones used to measure continuous data.
9. The following are measures used to safe guard data on a computer system **except**
- A. access controls.
 - B. audit trails.
 - C. fire walls.
 - D. protocols.
10. Identify a field property in a database that enables selection of an item from a drop-down list.
- A. OLE object.
 - B. Memo.
 - C. Look up.
 - D. Hyperlink.
11. The following are views in a presentation software **except**
- A. slide sorter.
 - B. slide master.
 - C. notes page.
 - D. slide show.
12. Distinguish between a website and a web browser.
- A. A website is an inbuilt connection to a related webpage while a web browser is the first page of the website.
 - B. A website is a page of a web browser while a web browser is the home page.
 - C. A website is a collection of related web pages while a web browser is a software used to access webpages.
 - D. A website is a unique address of a web page while a web browser is a worldwide collection of electronic documents.

13. The following is a set of output devices.
- A. Printer, Monitor, Speakers.
 - B. Scanner, Keyboard, Speakers.
 - C. Printer, Monitor, Keyboard.
 - D. Scanner, Monitor, Mouse.
14. The keyboard short cut that moves a cursor to the beginning of a line in a word processor document is
- A. End.
 - B. Home.
 - C. Ctrl + End.
 - D. Ctrl + Home.
15. One of the characteristics of an embedded system is that it
- A. stores vast amount of data.
 - B. performs specific tasks.
 - C. consumes high power.
 - D. performs general tasks.
16. In a spread sheet, the cell address E3 represents
- A. E for column and 3 for row.
 - B. 3 for column and E for row.
 - C. Absolute cell reference.
 - D. Current cell reference.
17. The four elements of a communication model are
- A. Sender, Channel, Encoder, Message.
 - B. Feedback, Receiver, Noise, Sender.
 - C. Encoder, Noise, Decoder, Message.
 - D. Message, Channel, Sender, Receiver.
18. The correct order of switching on a computer system is by starting with a
- A. monitor, system unit and wall switch.
 - B. monitor, wall switch and system unit.
 - C. system unit, wall switch and monitor.
 - D. wall switch, system unit and monitor.

19. A location from where people may obtain internet access through Wi-Fi is referred to as

- A. ISP.
- B. server room.
- C. hot spot.
- D. chart room.

20. One kilobyte is equivalent to

- A. 1024 bytes.
- B. 1000 bytes.
- C. 1024 bits.
- D. 1000 bits.

SECTION B: (60 MARKS)

Answer all the questions in this section.

All answers must be written in the spaces provided.

21. (a) List any **two** computing devices that were developed during the mechanical era. (02 marks)

(i)

(ii)

- (b) Give **two** key developments that occurred during the first computer generation. (02 marks)

(i)

(ii)

- (c) Name any **two** computer professionals. (02 marks)

(i)

(ii)

- (d) Outline the role of each of the computer professionals you have named in (c). (02 marks)

(i)

(ii)

(e) State any **two** ethics reflected in ICT professional code of conduct. (02 marks)

(i)

(ii)

22. (a) What is computer hardware? (02 marks)

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(b) Give **two** factors one would consider before buying a computer monitor. (02 marks)

(i)

(ii)

(c) Describe each of the following forms of system start-up;

(i) cold boot. (02 marks)

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(ii) warm boot. (02 marks)

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(d) Give the reason why disks are formatted. (02 marks)

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23. (a) Explain the meaning of each of the following error messages in a spreadsheet.
(i) # Name? (02 marks)

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(ii) # # # # (02 marks)

(b) State the use of a chart legend in spreadsheets. (01 mark)

(c) (i) What is a database? (01 mark)

(ii) Distinguish between a flat file database and a relational database. (02 marks)

(d) Give any two functions of a primary key in a database. (02 marks)

(i)

(ii)

24. (a). Describe the following data transmission media:

(i) Physical media (02 marks)

(ii) Wireless media (02 marks)

(b) Identify **two** qualities of a well-designed website. *(02 marks)*

(i)

(ii)

(c) Explain the function of a search engine. *(02 marks)*

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(d) Give **two** examples of a text editor. *(02 marks)*

(i)

(ii)

25. (a) (i) What is a word processor? *(01 mark)*

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(ii) Give any **two** examples of a word processor. *(02 marks)*

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(b) State any **two** advantages of using a word processor over a manual type writer. *(02 marks)*

- (c) Outline **three** factors one should consider to make a presentation appear more professional. (03 marks)

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- (d) Explain the meaning of the term transition as used in a presentation programme. (02 marks)

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26. (a) Define computer software. (02 marks)

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- (b) Outline **two** functions of an operating system. (02 marks)

- (i)
- (ii)

- (c) Give an example of a multi-tasking operating system. (01 mark)

- (d) Name any **four** utilities found in an operating system. (04 marks)

- (i)
- (ii)
- (iii)
- (iv)

- (e) State any **one** disadvantage of tailor-made application software. (01 mark)
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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. Discuss the impact of computer networks within organisations today. (20 marks)
28. Describe **four** ways of trouble shooting each of the following hardware problems. (20 marks)
- (a) My computer does not power up.
 - (b) Nothing appears on the monitor.
 - (c) My printer does not print.
 - (d) Keyboard does not work.
 - (e) The flash disk is not detected by the computer.
29. (a) Explain **five** factors that have led to the fast advancement in technology. (10 marks)
- (b) Describe the challenges that have come along with high advancement in technology. (10 marks)