

S850/1
SUBSIDIARY
COMPUTER
Paper 1
July / August
2 ½ Hours



ELITE EXAMINATION BUREAU MOCK 2019

Uganda Advanced Certificate of Education

Information and Communication Technology

Paper 1

2Hours 30Minutes

Instructions to Candidates:

- Attempt **ALL** questions in this paper.
- The paper consists of **20** equally weighted structured questions of **5** marks each
- Write your answers in the spaces provided.
- No additional materials (answer sheets) are provided.

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

1. (a) Define the term information and communication technology.(02marks)

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- (b) Give three characteristics of modern computers that make them powerful and reliable today. (3 marks)

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2. (a) State three editing features of a **word processor**. (3 marks)

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- (b) How is formatting and editing different as related to **data processing**. (02 marks)

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3. (a). State two advantage of keeping work in a soft copy. (02 marks)

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- (b). Mention two dangers of **software piracy**. (02 marks)

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- (c). Give one way a **password** can be kept secure. (01 mark)

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4. (a) Write **CPU** in full. (01 mark)

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(b). State the difference between registers and buffers. (02 marks)

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(c). Mention two functions of the ALU in a processor. (02 marks).....

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5. (a). State two advantages of using a Graphical User Interface (GUI). (02 marks)

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(b). Briefly, explain the following as used in word processing.

(i). Red wave underline below a word. (01 mark)

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(ii). Green wave underline below a sentence. (01 mark)

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(iii). Auto - complete. (01 mark)

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6. (a) Data is a vital part of computer system. Write down any two risks that data is exposed to. (2 marks)

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(b) Write down the solutions to risks mentioned in question (a) above.

(2 marks)

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(c) Under which circumstance may you format the hard disk? (1 mark)

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.....
7. (a). What is a transition loop?

(01 mark)

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(b). Suggest any two features of a good looking presentation. (02 marks)

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(c). Give two uses of a slide sorter facility.

(02 marks)

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8. (a). Define the term data storage.

(01 mark)

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(b). Write short notes on the following terms as used in relation to data storage.

(i). Storage capacity.

(01 mark)

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(ii). **Access time.** (01 mark)

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(iii). **Access mode.** (01 mark)

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(c). Give one factor to consider before buying a storage medium. (01 mark)

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9. (a). Write the term e-mail in full. (01 mark)

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(b). Give two advantages of using an e-mail in data communication. (02 marks)

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(c). In relation to an e-mail, give the meaning of the following abbreviations:

(i). BCC (01 mark)

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(ii). CC (01 mark)

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10. Today, many people prefer buying items online. As an ICT student:

(a). Suggest a name to this type of business activity. (01 mark)

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(b). Give two advantages of using this type of trade. (02 marks)

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(c). Mention two other services provided by the internet. (02 marks)

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11. (a). Distinguish a webpage from a website. (01 mark)

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(b). Describe the following types of websites:

(i). Blog. (01 mark)

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(ii). Wiki. (01 mark)

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(iii). Rating site. (01 mark)

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(iv) Portal. (01 mark)

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12. (a) State the difference between primary key and foreign key as used in Ms Access. (01 mark)

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- (b). State two data checks used in Ms Access. (02 marks)

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- (c). Give two advantages of using a primary key in Ms. Access (02 marks)

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13. (a) Mention two main functions of an operating system. (02 marks)

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- (b) For each of the following three statements name the utility program which best fits.

- (i) Gathers separate pieces of the same file together in a disk (01 mark)

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- (ii) Prepares a new disk to accept data (01 mark)

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- (iii) A program which monitors, detects and deletes viruses (01 mark)

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14. (a) Explain the meaning of the following in relation to spreadsheets

- i) Relative cell referencing (1 mark)

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- ii) Absolute cell referencing (1 mark)

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iii) Mention any one example of a spreadsheet software (1 mark)

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b) Write down any two kinds of operators you know used in spreadsheet (2 marks)
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15. a). Mention two advantages of using a laptop over a desktop computer. (02 marks)
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(b). Give two reasons for switching off a computer after use. (02 marks)
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(c). In relation to a computer monitor, what is a resolution? (01 mark)
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16. Use the following spreadsheet chart to answer questions below:

	A	B	C	D
1	Item	Quantity	Unit cost	Total cost
2	Bread	40	Ugx. 3,800	
3	Cake	60	Ugx. 500	
4	Fanta	50	Ugx. 800	
5	Rolex	30	Ugx. 1,200	
6	Sorghum	10	Ugx. 800	

(a). Write the data type used in the range B2:B6? (01 mark)

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(b). What custom format was used to generate output in cell range C2:C6? (01 mark)

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(c). How many cells are in the range A2:C6? (01 mark)

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(d). State two ways data in cell range A1:D1 can be formatted (02 marks)

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17. (a) Define **Green computing**. (01 mark)

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(b) Explain **two** ways of maintaining **Green computing** by organisations. (2 marks)

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(c) (i) Mention one physical threat to optical storage devices. (01 mark)

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(ii) How would you advise to mitigate the problem in (c) (i) above? (01 mark)

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18. (a) Define the term **Artificial Intelligence** (IT). (01 mark)

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(b) Explain one area in which **artificial intelligence** is being applied in the following areas.

Heavy industries:

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Hospitals and medicine

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(c) Mention two branches of **digital forensics**. (02 marks)

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19. (a) Give two ways you can control intruders into a computer laboratory.

(02 Marks)

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(b) What is the primary function of a **dust blower** in the computer lab.

(01 Mark)

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(c) State two circumstances under which a computer user should double click a file.

(02 Marks)

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20. Use the following application tools to fill in spaces below:

Format Painter, Highlight, Water Mark, Footer, Footnote, Gallery, Insert, Centre, Justify. (05 marks)

(a)._____ inserts a citation, narration, reference in a specific page.

(b). Using the _____ tool, text is distributed evenly in a page.

(c)._____ allows a user to emphasise text in a document.

(d). Word art collections can be obtained from _____ location.

(e)._____ allows a user to copy a given pattern appearance to another piece of text in a document.