

1. (a). Define the term data. (01 mark)
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.....
- (b). State the difference between **hardware** and **software**. (02 marks)
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- (c). Mention **two** devices that can be used to convert softcopy to hardcopy information. (02 marks)
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2. (a). Give the distinction between **a footnote** and **an endnote** as used in a document. (02 marks)
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- (b). Outline any **two** editing features found in a word processor. (02 marks)
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- (c). Apart from Ms Word, mention any other one example of word processing software. (01 mark)
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3. (a). State **two** negative effects of using a computer at home. (02 marks)
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- (b). Mr Atimango's hard disk is likely to crash because of the unstable power, state any **two** ways that may be appropriate for ensuring safety of his data. (02 marks)
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- (c). While using a Laptop for video conferencing, a webcam plays an important role, write down this role of a webcam? (01 mark)
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4. (a). Explain any two interferences that may cause computer system damages and data losses (02 mark)
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- (b). Define preventive maintenance. (02 marks)
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- (c). Give **one** way computers can be abused. (01 mark)
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5. (a). State the difference between a system Unit and peripheral devices. (02 marks)
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- (b). Define the term computer literacy. (01 mark)
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(c). State any **two** circumstances under which digital divide is demonstrated. (02 marks)

6. Using the following words, fill in the spaced provided for (a) to (e) below.
Videoconferencing, Chat rooms, GPS, webcam, E-mail, video, simplex channel.

(05 marks)

(a). Can be used to locate objects in a given region.

(b). is a single directional communication method.

(c). is the transmission of files/message over a network.

(d). Real-time typed conversations that take place on computers connected to the network are offered by

(e). Live and video instant communication using a website is referred to as And with it, a Is used to capture images for uploading.

7. Write short notes on the following:

(a). Peer – to – peer LAN network model. (02 marks)

(b). Server computer. (02 marks)

(c). State **one** advantages of using a network by an organisation. (01 mark)

8. (a). What is a computer laboratory? (01 mark)

(b). State **two** ways air conditioning is important in a computer laboratory. (02 marks)

(c). Mention **two** reasons for servicing computers. (02 marks)

9. (a). Write the difference between **cold booting** and **warm booting**. (01 mark)

(b). In relation to booting a computer, state one function of the following:

(i). P-O-S-T (01 mark)

(ii). BIOS (01 mark)

(c). State **two** reasons that may necessitate a user to restart a computer. (02 marks)

10.(a). What is a malicious software? (01 mark)

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(b). State **two** ways computer viruses are transmitted. (02 marks)

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(c). Mention how the following can control the spread of computer viruses:

(i). Antivirus program. (01 mark)

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(ii). Use of passwords. (01 mark)

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11. You are given the following table:

	A	B	C	D	E
1	Item code	Name	Quantity	Selling price	Total Price
2	D001	Rwenzori	200	900	
3	D004	Kibuku	400	900	
4	D010	Kazire	600	900	
5	D030	Club Ambiance	1,200	1,500	
6	D030	Mirinda	800	1,500	
7	D100	Kazero	1,000	250	

(a). State the application program you will use to organise this work. (01 mark)

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(b). What data type will be suitable for the data in the **item code** field? (01 mark)

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(c). Write the formula that will return Total Price for **Club Ambiance**. (01 mark)

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(d). Write a function that will return the highest value of **quantity**. (01 mark)

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(e). State **one** practical application of this program in a primary school. (01 mark)

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12.(a). What is a software suite? (01 mark)

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(b). Differentiate between **shareware** and **freeware programs**. (01 mark)

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(c). Write short notes on the following:

(i). software upgrade. (01 mark)

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(ii). Software bug. (01 mark)

(iii). Hot fix (01 mark)

13.(a). State **two** advantages of using e-commerce in business. (02 marks)

(b). Mention **one** example of web browser. (01 mark)

(c). What is;

(i). A Bounce mail? (01 mark)

(ii). An email address? (01 mark)

14.(a). Define the term computer communication. (01 mark)

(b). Mention any **two** electronic data communication tools. (02 marks)

(c). Give **two** advantages of telecommuting to an organisation. (02 marks)

15.(a). Write the following acronyms in full:

(i). FTP (01 mark)

(ii). SMTP (01 mark)

(iii). TCP/IP (01 mark)

(b). Mention any **two** factors you will consider before establishing a network. (02 marks)

16.(a). What is a transmission medium? (02 marks)

(b). Mention **one** danger of using wireless communication in an organisation. (02 marks)

(c). Why are majority of organisations still using cable networks? (01 mark)

17.(a). Give **two** differences between **RAM** and **ROM**. (02 marks)

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(b). Write one function to the following parts in a CPU.

(i). Control Unit. (01 mark)

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(ii). Arithmetic and Logical Unit. (01 mark)

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.....

(iii). Registers. (01 mark)

18. (a). State any **two** applications of artificial intelligence today in computing. (02 marks)

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(b). Mention **one** branch of digital forensics. (01 mark)

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(c). (i). What is **green computing**? (01 mark)

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.....

(ii). Give **one** goal of green computing. (01 mark)

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19.(a). Outline two duties carried out by:

(i). Computer support specialist. (02 marks)

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(ii). Systems analyst. (02 marks)

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(b). Mention **one** way you can care for a school network. (01 mark)

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20.(a). State the difference between a **file** and a **folder**. (01 mark)

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(b). Outline the steps you take to restore a deleted file from the recycle bin. (02 marks)

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(c). Give **two** causes of data loss in an organisation. (02 marks)

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End