Name: ………………………………………………………………… INDEX: ...……………..

KAMSSA JOINT MOCK EXAMINATIONS
Uganda Advanced Certificate of Education

SUBSIDIARY INFORMATION AND COMMUNICATION TECHNOLOGY

Paper 1

2 hours 30 minutes

Instructions to Candidates:

*Attempt **all** questions in this paper.*

*The paper is made up of **20** equally weighted structured questions each carrying **5** marks.*

Write your answers in the spaces provided.

No additional materials (answer sheets) will be provided.

										FOR OFFICIAL USE ONLY										
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 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)

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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)

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   ………

   (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)

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   ………

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)**

………
………

(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)**

………

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

………

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

………

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

………

(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)**

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(iii). Hot fix **(01 mark)**

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

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

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(c). What is;
(i). A Bounce mail? **(01 mark)**

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……

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

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

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

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

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15.(a). Write the following acronyms in full:
(i). FTP **(01 mark)**

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(ii). SMTP **(01 mark)**

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(iii). TCP/IP **(01 mark)**

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

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

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……

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

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

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

……………………………………………………………………………………………………

……………………………………………………………………………………………………

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

   (i). Control Unit.   (01 mark)

……………………………………………………………………………………………………

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

……………………………………………………………………………………………………

   (iii). Registers.   (01 mark)

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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