

[illegible]

1. (a) State any **three** benefits of Lab care and preventive maintenance of computer systems (03 marks)

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(b). Explain any **two** factors to consider when preparing a computer laboratory. (02 marks)

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2. Match the following file extension: **.ai, .midi, .ram, .jpeg .swf, .mp3, .tiff, .bmp**, with respective correct description. (05 marks)

File Extension	Description
	Used mainly for real-time streaming of audio and video it requires RealPlayer (Windows and Mac) software.
	Digital music, pod casts and audio books files
	File extension that represent single-page vector-based drawings created using Adobe Illustrator.
	It is a standard Windows image format that is created using Microsoft's Paint or Paintbrush programs.
	Digital cameras often save images in the file format.

3. (a) Distinguish between the **Output** and **output device**. (2 marks)

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(b). State any two examples of devices that can be used as both input and output devices (02 marks)

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4. What is recent in the minds of most Ugandans in IT world is *digital migration*. Briefly describe the concepts of

Digital divide (1 mark)

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Digital migration (1 mark)

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(b)State **three** benefits Uganda has drawn from digital migration (3 marks)

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5. (a) Explain the following attributes of computers which make them dependable and reliable tools. (02 marks)

Diligence

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Versatility

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b) Outline any three ways in which ICT can improve the quality of education. (03 marks)

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6. (a). Define the term Green computing as used in ICT. (01 marks)

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(b). State any three advantages of green computing (03 marks)

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(c). Give one example of a label to reflect the application of green computing today. (01 mark)

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7. (a). Define the term folder (01 mark)

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(b). Outline the steps you can take to open a new folder in your names on the screen of your computer (04 marks)

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8. (a) Distinguish between **analogue** and **digital** computers (2marks)

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(b) Explain the importance of the following in a computer (3marks)

CMOS chip

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CMOS battery

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BIOS

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9. (a) Briefly explain **three** security rules and regulations computer laboratory users today should adhere to when using the computer laboratory (3 marks)

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(b) Name any **two** tools one needs to service a personal computer (2 marks)

10. (a) What is a utility program? (1 mark)

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(b) State the function for each of the following utility programs

(i) Disk defragmenter(s) (1 mark)

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(ii) File compression utility (1 mark)

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(iii) Antivirus utility (1 mark)

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(iv). Uninstaller utility (1 mark)

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11. (a) state and explain any three features of a word processing program (3 marks)

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(b). Describe the following parts of a Microsoft office word processor window

Status bar (01 mark)

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Tool bar (01 mark)

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12. State any five advantages of using an electronic word processor over typewriter (05 marks)

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12 (a). Define the following terms as applied to computers

Computer repair (01 mark)

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Computer maintenance (01 mark)

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(b). State any three advantages of preventive computer maintenance (03 marks)

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14. State any five disadvantages of using computers in the society today (05 marks)

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15. (a) Differentiate between the information processing cycle and the machine cycle (02 marks)

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(b). briefly describe any three stages involved in the information processing cycle (03 marks)

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END

Good luck