



# MEBU EXAMINATIONS CONSULT

## Uganda Advanced Certificate Of Education

### MOCK EXAMINATIONS 2024

#### INFORMATION AND COMMUNICATIONS TECHNOLOGY

#### SUBSIDIARY ICT PAPER I

Time: 2 Hrs: 30 Min

#### INSTRUCTIONS TO CANDIDATES

Attempt **ALL** questions in this paper

The maximum time allocated to this paper is 2 hours 30 Minutes

The paper is made up of 20 equally weighted questions.

Write in dark blue or black pen in the spaces provided on the Question Paper. All answers should be written in the spaces provided.

No additional materials (answer sheets) are required.

The number of marks is given in brackets ( ) at the end of each question or part question.

The maximum mark for the paper is 100%

- (a). Identify the software that can be used to open the above program. (01 mark)
- (b). Name atleast three objects used in the program above. (02 mark)
- (C). Outline four data types which was used in the table above. (02 mark)
- 18(a). Give **one** example on each of the following devices. (02 marks)
- (i). Input devices.
- (ii). Processing devices.
- (b). state one major uses of a VGA cable on a computer. (01 marks)
19. (a) Give **two** advantages of using secondary storage to a computer user (2 marks)
- (i).
- (ii).
- (b) State **two** devices that use solid- state storage technology. (2 marks)
- (i).
- (ii).
- (b) Write **SATA** in full (1 mark)

20. Fill in the following spaces below using one of the terms below: (05 mark)

**Uninstall utility, Diagnostic utility, Debuggers, Merging utility, Sorting utility**

organizes files in any choose order..... compiles technical information about a combines different files in one..... computer's hardware and certain system software programs and then prepares a report outlining any identified problems..... Helps the computer to find out the error and fixes it..... enables the user to remove an application program and its associated attributes from the system.

**END**

1(a) Differentiate between RAM and ROM.

(02 marks)

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(b).Give Atleast two (2) storage devices used.

(01 mark)

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(c).Which specifications do you consider when choosing storage media?

(02 marks)

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2(a).Mention atleast three security measures that should be employed to ensure the safety of a computer laboratory.

(03 marks)

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(b).Define the term computer maintenance and suggest atleast one way how a computer can be maintained in a good working condition.

(02 marks)

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(14)(a). Use the phrase below to answer questions that follow.

(05 marks)

**LOCAL DISC D: //BYANSI UMAN/MID TERM/CHEM/PAPER 2.pdf**

(i).State the suitable name for the above phrase:

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(ii). File name:.....

(iii). File Extension:.....

(iv). File type:.....

(v). Folder in which the file is stored:.....

15(a).Define the term “**Green Computing**”.

(01 marks)

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(b). State **two** goals of Green Computing. (02 marks)

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(c). Outline **four** green computing practices. (02 marks)

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(16(a).Define the term software suite. (02 marks)

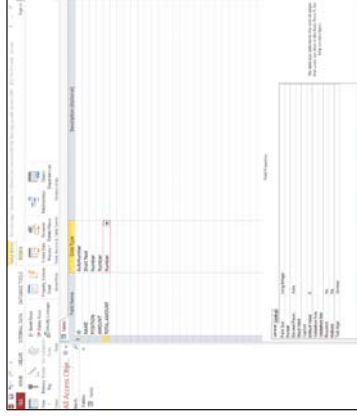
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(i) Give one example of a **Software Suite**. (01 mark)

(ii) List any **two** components of your example in (b) (i) above. (02 marks)

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(17)(a).The table below shows results from a school extracted from a database application. Use it to answer questions (a) to (c)



(c). Give any **two** advantages of using electronic processors over ordinary type writers. (02 marks)

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11(a). Define the term computer security risks. (01 marks)

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(b). Outline any two examples of computer security risks. (02 marks)

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(c).give some guidelines how you can prevent hardware theft. (02 marks)

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(12)(a).define the following terms as applied in booting. (01 marks)

(i). Cold boot

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(ii). Warm boot (01 marks)

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(b).State three conditions under which a user may restart a computer. (03 marks)

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13(a). Distinguish between **Physical topology** and **Logical topology**. (02 marks)

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(b).mention atleast three examples of physical topology. (03 marks)

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3(a).Define the term search engine as applied to internet. (01 mark)

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(b).Outline atleast two internet browsers that you know. (02 marks)

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(c).Mention atleast two internet service providers. (02 marks)

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4(a).What is artificial intelligence? (02 marks)

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(b).Mention any three application areas where artificial intelligence is applied. (03 marks)

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(5) (a) Distinguish between assemblers and compilers as used in programming language. (03 marks)

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(b).Outline any two programming languages. (02 marks)

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6(a).Define the term e-mail communication (2 mark)

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(b).Explain the following components of an email (02 marks)

(i) Subject

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(ii).Compose

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(b). Give **one** example of hypertext markup language (html) in a URL? (1 mark)

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7(a).Define the term **data backup**. (01 mark)

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(b).Outline the **three** forms of data backup techniques. (03 marks)

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(c).Mention any two data backup media. (01 mark)

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(8)(a). Define the term **computer ethics**. (01 marks)

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(b). State **two** unethical practices by computer user. (02 marks)

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(c). Write short notes on the following terms. (02 marks each)

(i). Copyright.

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(ii). Intellectual property.

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9(a). Define the following terms as used in system analysis and design. (01 mark)

(i).System

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(ii).Systems Development Life Cycle. (02 marks)

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(b). Identify **atleast two** ICT related employment opportunities in Uganda today. (02 marks)

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10(a).Define the term word processor. (01 marks)

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(b).Mention atleast two word processing software on market today. (02 marks)

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