Name: ……………………………………………………………. Index No: …………

Signature: …………………………………………….



*S850/1*

*Sub ICT*

*Paper Two*

*Practical*

*2019*

*2 hrs*

**JINJA JOINT EXAMINATIONS BOARD**

**UGANDA ADVANCED CERTIFICATE OF EDUCATION**

**MOCK EXAMINATIONS**

**Subsidiary ICT**

Paper 1

2 Hours 30 Minutes

**INSTRUCTIONS TO CANDIDATES:**

1. *Attempt* **ALL** *questions in this paper.*
2. *The maximum time allocated to this paper is 2 hours and 30 minutes.*
3. *This paper is made up of 20 compulsory and equally weighted questions.*
4. *Write all your responses in dark blue or black ink in the spaces provided.*
5. *All answers should be written in the spaces provided. No additional material will be provided to the candidate.*
6. *Unity work will lead to automatic loss of marks.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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). State **two** activities carried out during the data input stage during data processing. (02 marks)

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…………………………………………………………………………………………..

(b). Write **ICT** in full. (01 mark)

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(c). Give **two** system specifications you would consider before buying a computer. (02 marks)

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1. (a). Distinguish between **servicing** and **repairing** as used in relation to computer use. (02 marks)

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(b). Identify **two** safety precautions for computer users. (02 marks)

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(c). State **one** reason for creating a hard disk partition on a computer. (01 mark)

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1. (a). State **two** activities that can be carried out on a file. (02 marks)

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…………………………………………………………………………………………..

(b). Prepare a check list of **two** requirements of a good file password. (02 marks)

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…………………………………………………………………………………………..

(c). Give **one** way a file that has been accidently deleted can be brought back. (01 mark)

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1. (a). Select **one** term to fill in the spaces provided for (i) to (iii) sub sections below.

**Input, output, processing, storage, communication.**

(i). ……………………………. is the process of generating data for a computer. (01 mark)

(ii). …………………………… enables a user to turn data into information. (01 mark)

(iii). ……………………………. is one practice that involves displaying data. (01 mark)

(b). State **two** parts that make up the Central Processing Unit. (02 marks)

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1. (a). Define the term **computer software**. (02 marks)

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(b). Outlie **two**qualities of a good application software program. (02 marks)

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…………………………………………………………………………………………..

(c). State **one** advantage of using a graphical user interface. (01 mark)

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1. (a). You are given the following address:**https://www.google.ug**

Identify:

1. **Protocol used**. (01 mark)

…………………………………………………………………………………………..

1. **Host name**. (01 mark)

…………………………………………………………………………………………..

(b). State **one** purpose of the following parts of the e-mail message:

(i). **BCC** (01 mark)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

(ii). **CC** (01 mark)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

(iii). **Attachment.** (01 mark)

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1. (a). State **one** way the Internet can support business activities. (02 marks)

…………………………………………………………………………………………..

(b). Define the following data communication tools:

(i). **Wiki**. (02 marks)

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…………………………………………………………………………………………..

(ii). **Blog**. (02 marks)

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1. (a). Give **two** dangers of computer vandalism. (02 marks)

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(b). State **two** health complications a user is bound to suffer as a result of interacting

with a computer for long. (02 marks)

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(c). Identify **one** way a computer may be used as a tool to committing a crime. (01 mark)

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1. (a). Describe how you would sort data in a spreadsheet application. (02 marks)

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(b). Give **two** facilities that can be used to emphasize data in a word processor. (02 marks)

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(c). State **one** function of a field size in a database table. (01 mark)

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1. (a). Give **two** practices of green computing. (02 marks)

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(b). State **two**applications of information technology in teaching and learning. (02 marks)

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…………………………………………………………………………………………..

(c). Write **one** cause of low computer literacy in Uganda. (01 mark)

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1. (a). Distinguish between **WWW** and the **Internet**. (02 marks)

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(b). State **two** advantages of using an e-mail for communication. (02 marks)

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(c). List any **one** item you would need to set – up Internet connectivity at home. (01 mark)

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1. (a). State **one**function of a data bus during data processing routine. (01 mark)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

(b). Explain the following terms as used in relation to output hardware devices.

(i). **Dots Per Inch**. (02 marks)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

(ii). **Resolution**. (02 marks)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

1. (a). Write down one specialized person that performs the following tasks:
2. A ………………………………. services and repairs computers. (01 mark)
3. A ………………………………. maintains a computer network. (01 mark)
4. A ………………………………. writes computer software. (01 mark)

(b). State **two** possible causes of computer viruses in a laboratory. (02 marks)

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1. (a). Describe a **slide sorter**facility a used in a presentation program. (02 marks)

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(b). List **three** examples of publications that can be created using a DTP program. (03 marks)

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1. (a). Choose a term below to fill in the spaces following:

**Half duplex, full duplex, simplex channel, bandwidth, through-put.**

(i). ……………………………. defines the amount of data that is finally delivered to

its destination by a communication medium in a typical network. (01 mark)

(ii). …………………………….. supports a one directional and non-reversible

communication. (01 mark)

(iii). ………………………………… tells how much data a communication channel

is capable of carrying. (01 mark)

(b). State **two** characteristics of a Local Area Network (LAN). (02 marks)

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1. (a). What is a **peripheral device**? (02 marks)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

(b). State **two** reasons to suggest why flash disks are commonly used today. (02 marks)

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…………………………………………………………………………………………..

(c). Give **one** practical use of a Light Emitting Diode on a computer’s system case. (01 mark)

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1. (a). Give **two** reasons for re-installing computer software. (02 marks)

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(b). Write down**one** use of the following:

(i). **Drivers**. (01 mark)

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…………………………………………………………………………………………..

(ii). **Software update**. (01 mark)

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…………………………………………………………………………………………..

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(iii). **Software upgrade**. (01 mark)

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1. (a). Write a check list of **two** utility programs that are used in file management. (02 marks)

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…………………………………………………………………………………………..

(b). Identify an application program that can be used to carry out these tasks:

(i). Storage of structured and related data: …………………………………………….. (01 mark)

(ii). Prepare a talk to members of the interact club: …………………………………… (01 mark)

(iii). Prepare a nice looking poster that contains rich colours: ………………………… (01 mark)

1. (a). State the **two** network model types. (02 marks)

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…………………………………………………………………………………………..

(b). Give **three** advantages of using data communication in an organisation. (03 marks)

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1. (a). Distinguish between a **file** from a **folder**. (02 marks)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

(b). Study the following file path:

**E:\Subsidiary\_ICT – A\_Level\S5\_Examinations.docx**

Identify:

1. **File extension**. (01 mark)

…………………………………………………………………………………………..

…………………………………………………………………………………………..

1. **Root directory**. (01 mark)

…………………………………………………………………………………………..

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(c). Give **one** example of symbols that are not allowed in a file name. (01 mark)

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**END**