Name……………………………………………………… Personal No…………………………

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**S850/1**

**Subsidiary Information**

**and Communication**

**Technology**

**(THEORY PAPER)**

**Paper 1**

**Uganda Advanced Certificate of Education**

SUBSIDIARY ICT

(Theory Paper)

**Paper 1**

2 hours 30 minutes

**INSTRUCTIONS TO CANDIDATES:**

* *Attempt* ***all*** *questions in this paper*
* *This paper is made up of* ***20*** *compulsory and* ***equally*** *weighed questions.*
* *The maximum time allocated to this paper is* ***2 hours*** *and* ***30 minutes****.*
* *Write* ***all*** *your answers in the spaces provided. No additional material will be provided to the candidate.*
* *Untidy work will lead to loss of marks.*

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| ***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  |
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**Turn Over**

1. (a) Explain the following in relation to spread sheets.

 (i) # NAME (02 mark)

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 (ii) # NULL (02 marks)

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 (b) List one example of data type used in a spread sheet application. (01 mark)

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2. (a) Give one use of each of the following computer devices.

 (i) Rom chip (01 mark)

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 (ii) Expansion slot (01 mark)

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 (iii) VGA card (01 mark)

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 (b) List any two items that determine the computer spread. (02 marks)

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3. (a) List down any five factors you would consider before choosing a network model.

 (05 marks)

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4. (a) Define the term email communication. (02 marks)

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 (b) List any three ways one can guard against unwanted emails. (03 marks)

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5. (a) Differentiate between a search engine and a web browser. (02 marks)

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 (b) List any three examples of search engines. (03 marks)

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6. (a) Outline two benefits of cloud computing. (02 marks)

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 (b) State three limitations of cloud computing services. (03 marks)

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7. (a) Briefly explain the following terms as used in machine cycle operations.

 (i) Decording (01 mark)

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 (ii) Execution (01 mark)

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 (b) List any three devices directly linked to the information processing cycle.

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8. (a) State two tasks that are normally performed by a computer forensic specialist.

 (02 marks)

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 (b) Give three disadvantages of digital forensics. (03 marks)

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9. (a) The following are data base functions commonly used in data manipulation. Write the use of each of the functions.

 (i) DGET (01 mark)

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 (ii) DCOUNT (01 mark)

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 (b) State any three functions used in query criteria of a database management system. (03 marks)

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10. (a) Define the term troubleshooting as used in computing. (02 marks)

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 (b) State any three ways of caring for computers. (03 marks)

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11. (a) Differentiate between the following terms as used in word processing

 (i) Drop cap and case (02 marks)

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 (ii) Indent and tab (02 marks)

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 (b) Write the file extension for word perfect. (01 mark)

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12. (a) Distinguish between compliers and interpreters in computer programming . (02 marks)

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 (b) List down any three activities that occur in the program compilation process.

 (03 marks)

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13. (a) Explain the following terms as applied to operating systems.

 (i) Job sequencing (01 mark)

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 (ii) Job scheduling (01 mark)

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 (b) State the three classifications of operating system. (03 marks)

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14. A school has just set up the internet infrastructure to be used by learners in the learning process. The administrators have detected that learners may some information that is considered illegal. State any five ways the school can prevent access to such information from the internet. (05 marks)

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15. (a) Define electronic publishing. (01 mark)

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 (b) List down three advantages of electronic publication over traditional base publications. (03 marks)

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 (c) List down any one application that can be used to design electronic publications.

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16. (a) Explain how the following can be used in presentation software.

 (i) Slid sorter view. (01 mark)

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 (ii) Action buttons (01 mark)

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 (b) State any three qualities of a good presentation. (03 marks)

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17. (a) Differentiate between a computer virus and a bug. (02 marks)

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 (b) State three ways which can be adopted to protect computers from virus infection.

 (03 marks)

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18. State five ways how computers can be applied in the security sector. (05 marks)

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19. Hamza realized that the hard disk of his computer was showing low storage space after deleting some files. He was later advised to defragment the disk to create some more space. As an ICT student describe how this can be done. (05 marks)

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20. (a) Differentiate between a warm boot and a cold boot. (02 marks)

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 (b) State three kinds of information stored on the CMOS of a personal computer.

 (03 marks)

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