

Name .....Center/Index number.....

Signature.....

S850/1  
SUSIDIARY ICT  
THEORY  
Paper 1  
July/August 2025  
2<sup>1</sup>/<sub>4</sub> hours

**ASSHU ANKOLE JOINT MOCK EXAMINATIONS 2025**

*Uganda Advanced Certificate of Education*

**SUBSIDIARY ICT**

**Paper one**

**2 hours and 15 minutes**

**INSTRUCTIONS TO CANDIDATES:**

*Write your name, signature, center and personal number in the space provided.*

*The paper consists of 20 compulsory numbers.*

*All answers must be written in the spaces provided.*

**For Examiner's Use only**

| Q<br>1 | Q<br>2 | Q<br>3 | Q<br>4 | Q<br>5 | Q<br>6 | Q<br>7 | Q<br>8 | Q<br>9 | Q<br>10 | Q<br>11 | Q<br>12 | Q<br>13 | Q<br>14 | Q<br>15 | Q<br>16 | Q<br>17 | Q<br>18 | Q<br>19 | Q<br>20 | TOT<br>AL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
|        |        |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |         |         |           |

1. (a) Define the term "Information and Communication Technology." (1 mark)

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- (b) List any three components of ICT. (3marks)

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- (c) Give two reason why ICT is considered important in society. (2marks)

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2. (a) Distinguish between **analog** and **digital** data. (2 marks)

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- (b) Complete the table below by identifying the type of data involved (3 marks)

| Computing device | Type of data |
|------------------|--------------|
| 1. Thermometer   |              |
| 2. Speedometer   |              |
| 3. Mobile phone  |              |

3. (a) What is system software? (1 mark)

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- (b) List any two examples of system software. (2 marks)

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- (c) Give two functions of an operating system. (2 marks)

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4. (a) Give two reasons why a user might upgrade an operating system. (2 marks)

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(b) Mention three features of modern operating systems.

(3 marks)

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5. A student records marks in a spreadsheet and wants to calculate totals.

(a) Name the software she is likely using.

(1 mark)

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(c) State two uses of spreadsheets in finance.

(4 marks)

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6. (a) State two uses of utility software.

(2 marks)

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(b) Identify the appropriate utility for each function below:

(3 marks)

| Function                                       | Utility |
|------------------------------------------------|---------|
| 1. Detecting and removing viruses.             |         |
| 2. Organizing files on a disk.                 |         |
| 3. Detecting and removing errors in a program. |         |

7. (a) Define the term "Internet".

(1 mark)

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(b) Mention any three services provided by the Internet.

(3 marks)

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(c) State one **challenge** faced when using the **Internet**. (1 mark)

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8. (a) Explain the meaning of **electronic mail** (email). (1 mark)

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(b) Mention two parts of an email address. (2 marks)

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(c) Give two benefits of using email in an organization. (2 marks)

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9. (a) Define **data communication**. (1mark)

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(b) Mention any **two**-transmission media. (2 marks)

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(c) State one difference between serial and parallel data transmission. (2 marks)

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10. (a) write in full the term **MODEM** as used in modern computing (1 mark)

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(b) Give two examples of devices used in data communication. (2 marks)

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(c) State two functions of a router in a computer network. (2 marks)

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11. (a) What is cloud computing? (2 marks)

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(b) Give three reasons why your school should adopt cloud-based platforms. (3 marks)

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12. (a) Define the term computer security.

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(b) Mention two threats to computer systems.

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(c) State two physical ways of protecting computer systems.

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13. (a) What is a computer worm? (1 mark)

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(b) Mention any two signs of a worm infection in a computer. (2 marks)

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(c) State two ways of preventing worm infection. (2 marks)

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14. (a) Define computer ethics. (1 mark)

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(b) State two ethical practices in using computer systems. (2 marks)

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(c) Give two consequences of violating computer ethics. (2 marks)

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15. (a) What is file management? (1 mark)

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(b) Mention any two file operations that can be performed on a computer. (2 marks)

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(c) State two reasons for organizing files in folders. (2 marks)

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16. (a) Mention any three emerging technologies in ICT. (3 marks)

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(b) State one benefit and one challenge of using mobile money services. (2 marks)

**Benefit**

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**Challenge**

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17. (a) Define the term booting (2 marks)

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(b) Under what three circumstances would you perform warm booting (3 marks)

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18. The current war between **Israel** and **Iran** is becoming unprecedented because of wireless communication technologies

(a) Identify any **two** wireless technologies known to you (2 marks)

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(b) Give **three** reasons why **wireless** communication is preferred over **wired**. (3 marks)

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19. (a) What is **multimedia**?

(1 mark)

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(b) Identify two **elements** of multimedia.

(2 marks)

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(c) Give two advantages of using multimedia in teaching and learning.

(2 marks)

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20. (a) What is a **computer network**?

(1 mark)

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(b) Mention any **two types** of networks based on geographical coverage.

(2 marks)

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(c) State **two** benefits of networking computers in an organization.

(2 marks)

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**END**