

Name: \_\_\_\_\_ Index No. \_\_\_\_\_  
School: \_\_\_\_\_ Signature \_\_\_\_\_

S850/1  
Subsidiary Information and  
Communication Technology  
PAPER 1  
July/August 2024  
2½ hours



## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

Paper 1

2 hours 30 minutes

### INSTRUCTIONS TO CANDIDATES:

- The paper is made up of 20 equally weighted questions.
- Answer all questions in this paper.
- All answers should be written in dark blue or black ink in the spaces provided on the question paper.
- No additional answer sheets should be inserted.

| For examiners' use only |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |
|-------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|-------|
| 1                       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Total |
|                         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |

1. Modern computers transform raw facts into meaningful information. (1 mark)

(a) Define **information processing cycle**.

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(b) Outline the **four** stages involved in transforming raw facts into meaningful information. (4 marks)

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2. (a) Explain **two** ways in which ICT can be used to improve teaching and learning in your school. (2 marks)

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(b) Mention **two** advantages of using ICT in business. (2 marks)

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(c) Explain **one** challenge of a student who is using ICT at home. (1 mark)

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3. (a) What is a **Computer Laboratory**? (1 mark)

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(b) State the use of the following equipment in the computer laboratory. (1 mark)

(i) Blower

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(ii) Fire extinguisher

(1 mark)

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- (c) State **two** measures employed to ensure safety of users in the Computer laboratory. (2 marks)

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4. (a) File management is key in the computer management, explain how files can be managed to enhance organizational efficiency. (3 marks)

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- (b) Mention **two** benefits of computer file management. (2 marks)

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5. Describe the steps one would take when saving a presentation file with the file name WAKISSHA in a folder created on the desktop. (5 marks)

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6. (a) Explain the following terms as applied in computer hardware. (1 mark)  
(i) Storage medium

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- (ii) Reading

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- (b) Differentiate between **RAM** and **ROM** (2 marks)

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- (c) Mention **one** example of magnetic storage media. (1 mark)

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Turn Over  
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7. Write **TRUE** or **FALSE** next to each of the following statements.

|  | TRUE | FALSE |
|--|------|-------|
| (i) A monitor is a hard copy output device   |      |       |
| (ii) Data projector is an output device that displays images in a computer onto a piece of paper |      |       |
| (iii) Disk partitioning involves dividing a physical device into logical drives                  |      |       |
| (iv) CPU is a case that houses all the internal components                                       |      |       |
| (v) A CD is a storage device   |      |       |

(1 mark @)

8. After studying computer hardware components;  
(a) Outline **two** components of the motherboard in a computer system. (2 marks)

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- (b) Mention any **three** roles of the mother board. (3 marks)

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9. (a) Explain the term **System software** (1 mark)

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- (b) Mention **two** types of system software. (2 marks)

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- (c) Distinguish between **standardized software** and **in-house software**. (2 marks)

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10. (a) Identify **three** signs of a failed operating System. (3 marks)

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- (b) Explain **two** factors to consider while choosing a good software. (2 marks)

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11. Given the type of software below and the different tasks they do. Fill in the missing gaps.

| TASK                             |                                  |
|----------------------------------|----------------------------------|
| .....                            | Word processor                   |
| Presenting a lesson in a class   | .....                            |
| .....                            | Web browser like Mozilla Firefox |
| .....                            | Adobe Photoshop                  |
| Preparing a budget for a wedding | .....                            |

(1 mark @)

12. "The internet and the World Wide Web are often used interchangeably, but they refer to distinct concepts. The Internet is a global network of interconnected Computer and devices, enabling communication and data exchange through various protocols such as TCP/IP.

With this in mind, outline **five** services that are offered by the internet service providers. (5 marks)

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Turn Over



13. Briefly describe the steps of attaching a file to an e-mail. (5 marks)

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14. (a) Explain the term **video conferencing**? (1 mark)

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- (b) Outline **four** equipments required to set up a video conference. (4 marks)

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15. (a) What is a **Computer Network**? (1 mark)

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- (b) Mention the **two** types of Network models? (2 marks)

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- (c) Give **two** advantages of networking in a school setting. (2 marks)

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16. (a) Distinguish between **guided transmission media** and **unguided transmission media**. (2 marks)

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- (b) Give **one** commonly used guided transmission media in your school. (1 mark)

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- (c) Explain the difference between **modulation** and **demodulation** as applied in data communication. (2 marks)

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17. (a) Explain the following terms as applied in IT.

- (i) Digital divide (1 mark)

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- (ii) Digital migration (1 mark)

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- (b) Mention **two** forms of the intellectual property. (2 marks)

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- (c) Briefly describe the concept of computer ethics. (1 marks)

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18. (a) Discuss the ethical, economic and legal implications of software piracy. (1 mark)

- (i) Ethical implication

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- (ii) Economic implication (1 mark)

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- (iii) Legal implication (1 mark)

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- (b) Outline **two** control measures to address this issue effectively. (2 marks)

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**Turn Over**

19. Below is a database for Wanani Secondary school library. Use it to answer the questions that follow.

| Book number | Author | Date of supply              | Price  |
|-------------|--------|-----------------------------|--------|
| BBK_028     | Njabix | 23 <sup>rd</sup> April 2023 | 30,000 |
| BBK_047     | Tom    | 4 <sup>th</sup> May 2022    | 45,000 |
| BBK_086     | Sarah  | 1 <sup>st</sup> July 2019   | 50,000 |
| BBK_091     | Brenda | 2 <sup>nd</sup> June 2020   | 15,000 |

- (a) How many records are in the database above? (1 mark)
- \_\_\_\_\_
- (b) Suggest a suitable primary key for the table above. (1 mark)
- \_\_\_\_\_
- (c) What should be the suitable data type for
- (i) Book number (1 mark)
- \_\_\_\_\_
- (ii) Price (1 mark)
- \_\_\_\_\_
- (d) Which application software was used to create the above database? (1 mark)
- \_\_\_\_\_
20. (a) Define **electronic publishing**? (2 marks)
- \_\_\_\_\_
- \_\_\_\_\_
- (b) Name **three** electronic publications. (3 marks)
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**END**