

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.
- (i) Blower (1 mark)
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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)

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

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

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)

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

- (ii) Reading (1 mark)

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

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

Turn Over

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)

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

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

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

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

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

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

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)

Turn Over

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

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

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

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

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

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

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

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

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

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

- (i) Digital divide (1 mark)

- (ii) Digital migration (1 mark)

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

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

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

- (i) Ethical implication (1 mark)

- (ii) Economic implication (1 mark)

- (iii) Legal implication (1 mark)

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

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 rd April 2023	30,000
BBK_047	Tom	4 th May 2022	45,000
BBK_086	Sarah	1 st July 2019	50,000
BBK_091	Brenda	2 nd 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