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.

   (a) Define **information processing cycle.** (1 mark)

   _____

   _____

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

   _____

   _____

   _____

   _____

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

   _____

   _____

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

   _____

   _____

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

   _____

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

   _____

   _____

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

   _____

   _____

   (ii) Fire extinguisher (1 mark)

   _____

   _____

(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.
   (i) Storage medium (1 mark)

   _____

   _____

   (ii) Reading (1 mark)

   _____

   _____

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

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

_____

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)

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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)

_____

_____

(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)

_____

(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)

_____

     (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.

     (i)   Ethical implication   (1 mark)

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_____

     (ii)   Economic implication   (1 mark)

_____

_____

     (iii)   Legal implication   (1 mark)

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_____

(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	23rd April 2023	30,000
BBK_047	Tom	4th May 2022	45,000
BBK_086	Sarah	1st July 2019	50,000
BBK_091	Brenda	2nd 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)

_____

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(b) Name **three** electronic publications.

(3 marks)

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END