BEDIAKO MEMORIAL INSTITUTE
END OF FIRST TERM EXAMINATION – 2025/2026
COMPUTING || BASIC 7

NAME: ……**ID**…… **TIME: 2 HOURS**

INSTRUCTIONS: *This paper is made up of two parts,* **Paper 1** *and* **Paper 2**. *You are to answer* ***all*** *questions in* **Paper 1**. **Paper 2** *is made up of two Sections,* ***A*** *and* ***B.*** *Answer all questions in Section* ***A (24 marks)*** *and any* ***three (3)*** *questions from* ***Section B (36 Marks)***.

PAPER 2 (ESSAY) – [60 marks]

SECTION A – [24 marks]

Answer Question* 1 *(Compulsory)

1. At school, your Computing teacher brings a computer to the classroom and asks you to identify its hardware components. Use this situation to answer the questions that follow.


I


II


III



IV


V


VI


VII


VIII

a) Identify each component labelled I to IV by writing the name in the table below. **[8 marks]**

	DEVICE NAME		DEVICE NAME
I		**V**	
II		**VI**	
III		**VII**	
IV		**VIII**	

b) Group the devices identified in 1(a) into the following types. **[8 marks]**

INPUT DEVICES	OUTPUT DEVICES	STORAGE DEVICES

c) Give two differences between devices **IV** and **VI**. **[8 marks]**

SECTION B – [36 marks]

Answer* three (3) *questions from this section

2. Ama Nyame has just acquired a new computer for her home. She wants to explain to her family what a hard drive is, its types, and the advantages of using it, but she is not sure herself. As a friend, help her explain it to the family.

a) Describe what a hard drive is. **[4 marks]**

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b) List three types of hard drives. **[3 marks]**

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c) State two advantages of using a hard drive for storing data. **[4 marks]**

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d) State the full meaning of **RPM**. **[1 mark]**

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3. a) State two physical features of a microchip. **[4 marks]**

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b) Briefly describe three types of optical discs based on how data can be written and read on them. **[6 marks]**

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c) List two types of operating systems. **[2 marks]**

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4. **a)** In computers, data can be stored on different storage devices, and users interact with the data in different ways. Help your friend define the following two key actions involved in data storage and retrieval. **[4 marks]**

   i. Writing

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   ii. Reading

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   b) Describe a microprocessor. **[4 marks]**

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   c) State four types of microchips used in computers. **[4 marks]**

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5. **a)** In the study of computer input devices, your teacher has introduced a new group of input devices and name them automatic input devices. What are automatic input devices? **[3 marks]**

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   b) Write down three groups of keys on a standard computer keyboard. **[3 marks]**

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c) Why is a projector considered an output device and not an input device? **[3 marks]**

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d) Write down three features of the Windows desktop. **[3 marks]**

PAPER 1

OBJECTIVE TEST – [40 marks]

Answer all questions from this section

1. One feature of fourth-generation computers is:
A. Use of mechanical parts B. High heat generation
C. High processing speed D. Use of vacuum tubes

2. What is a key benefit of using microchips in computers?
A. More mechanical parts B. Reduced size
C. Higher power consumption D. Slower speed

3. A barcode scanner is best described as a:
A. Pointing device B. Storage device
C. Automatic input device D. Manual input device

4. What does the ALU do in a microprocessor?
A. Displays data B. Connects to the internet
C. Performs calculations D. Stores long-term data

5. During a practical lesson, your computer suddenly freezes. Which part of the operating system helps manage running programmes?
A. Paint B. Calculator
C. File Explorer D. Task Manager

6. What are these icons mostly used for?
A. To store RAM
B. To print documents
C. To launch applications
D. To increase system speed

7. A student asks why the taskbar is important in Windows. What will you say?
A. It stores files permanently
B. It increases screen brightness
C. It cools the computer
D. It displays running programmes

8. Which part of the operating system helps you move through folders and files?
A. Notepad B. Recycle Bin
C. File Explorer D. Taskbar

9. When saving a file, which storage device would give the highest capacity?
A. Keyboard B. Flashlight
C. Optical Disc D. Hard Drive

10. A computer uses tiny electronic switches to process data. Which generation first used vacuum tubes?
A. Fourth generation B. Third generation
C. Second generation D. First generation

11. You want to play a high-quality video. Which output device is most suitable?
A. Scanner B. Joystick C. Printer D. Monitor

12. Your teacher asks you to name a portable optical storage device. Which option is correct?
A. Hard Drive B. USB Hub C. DVD D. Mouse

13. A student wants to store movies and games. Which storage device is best?
A. Touchpad B. Microphone
C. RAM D. Hard Drive

14. When a Windows computer boots, which software loads first?
A. Calculator B. WebCam
C. Operating system D. WordPad

15. The taskbar's notification area mainly shows:
A. System icons B. Games
C. Desktop backgrounds D. File names

16. Which computer generation first used transistors?
A. Fifth generation B. Fourth generation
C. First generation D. Second generation

17. A processor's speed is measured in:
A. Litres B. Watts C. Gigahertz D. Kilometres

18. Which device sends visual output to users?
A. Pen drive B. Microphone
C. Keyboard D. Monitor

19. When installing software, which type of device reads the installation disc?
A. Optical Disc Drive B. Mouse
C. Radio D. Webcam

20. The Recycle Bin on the desktop is used to:
A. Play music B. Browse the internet
C. Increase RAM D. Restore deleted files

21. Which of these represents a fifth-generation computer technology?
A. Magnetic core memory B. Artificial intelligence
C. Vacuum tubes D. Punch cards

22. The Start Menu is used to:
A. Increase monitor size
B. Access programmes and settings
C. Print documents
D. Scan images

23. A processor has multiple cores so that it can:
A. Create screen wallpapers
B. Control the keyboard
C. Store permanent files
D. Perform many tasks at once

24. The main screen that appears after logging into Windows is called:
A. Toolbar B. RAM C. Folder D. Desktop

25. Which generation of computers introduced integrated circuits?
A. Fifth generation
B. First generation
C. Second generation
D. Third generation

26. A microchip is important because it:
A. Helps process data efficiently
B. Cools the computer
C. Controls the mouse
D. Stores documents permanently

27. Which storage device uses spinning magnetic platters?
A. SSD B. Hard Drive C. DVD D. Flash drive

28. The Windows taskbar is usually located at the:
A. Inside the CPU B. Left side of the keyboard
C. Bottom of the screen D. Back of the monitor

29. Which device allows you to hear audio playback?
A. Keyboard B. Microchip
C. Scanner D. Speaker

30. Which operating system is developed by Microsoft?
A. Windows B. Android C. Linux Mint D. iOS

31. A processor's Control Unit is responsible for:
A. Directing operations B. Recording sound
C. Printing documents D. Storing pictures

32. Which device stores data using laser technology?
A. Monitor B. Flash drive
C. Keyboard D. Optical Disc

33. When arranging taskbar icons, you are working with:
A. Power settings
B. Network cables
C. Files on the hard drive
D. Shortcuts to programmes

34. A laptop using microprocessors instead of vacuum tubes belongs to which generation?
A. Third generation B. First generation
C. Second generation D. Fourth generation

35. Which feature of Windows helps you switch between open windows?
A. Wallpaper B. Screen saver
C. Recycle Bin D. Taskbar

36. A microchip contains:
A. Mechanical gears B. Wooden plates
C. Paper circuits D. Millions of tiny transistors

37. Which device displays visual output for presentations?
A. Mouse B. Pen drive
C. Microphone D. Projector

38. A file deleted accidentally can be recovered from the:
A. Scanner B. Monitor
C. Speaker D. Recycle Bin

39. Which type of storage device is least affected by scratches?
A. CD B. DVD C. Blu-ray Disc D. Hard Drive

40. Which component performs arithmetic and logical operations inside a processor?
A. USB port B. ROM C. RAM D. ALU