Mindbenz Computer Olympiad (MCO)

Sample Paper

Grade - 4

Maximum Marks: 40   Time Allowed – 45 Minutes

Section A: Fundamentals Check (10 Questions × 1 mark = 10 marks)

1. **Which of the following is NOT a hardware component?**

    A. Monitor   B. Mouse
    C. MS Paint   D. Keyboard

2. **Match the following:**

Column A	Column B
1 CPU	A. Prints documents
2 Printer	B. Processes data
3 Mouse	C. Moves pointer
4 Monitor	D. Displays output

    A. 1-B, 2-A, 3-C, 4-D   B. 1-A, 2-D, 3-B, 4-C
    C. 1-D, 2-B, 3-C, 4-A   D. 1-C, 2-A, 3-D, 4-B

3. **Identify the input device from the following image:**

    A. Monitor   B. Printer
    C. Scanner   D. Speaker

4. **What is the function of a CPU in a computer?**

A. Display pictures   B. Store information

C. Process instructions   D. Type letters

5. Arrange the following in order of evolution of computers:

1.Mechanical Devices

2. Vacuum Tubes

3. Microprocessors

4. Transistors

A. 1, 2, 3, 4   B. 1, 2, 4, 3

C. 2, 1, 3, 4   D. 1, 3, 2, 4

6. Which software helps you type and format text?

A.

B.

C.

D.

7. Which of the following devices stores information permanently?

A. RAM   B. Hard Disk

C. Monitor   D. CPU

8. Which of these is a system software?

A.

B.

C.

D.

9. What is software?

A. A type of mouse B. A physical part of computer
C. Set of instructions for computer D. Electric current in devices

10. **Identify the correct classification:**

A. Windows 11 - Application Software B. Excel - System Software
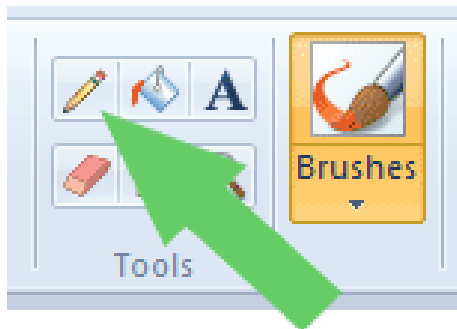C. MS Paint - Utility Software D. Antivirus - Utility Software

Section B: Application Zone (10 Questions × 1 mark = 10 marks)

11. **In Windows 11, what is the purpose of the Task View button?**

A. Changing wallpaper B. Switching between desktops
C. Opening MS Paint D. Opening the Start menu

12. **Identify the tool used to draw freehand shapes in MS Paint.**

A. Eraser Tool B. Fill Tool
C. Pencil Tool D. Brush Tool

13. **Which of these file extensions belongs to a Word document?**

A. .pptx B. .docx
C. .mp3 D. .jpg

14. **Which shortcut helps you lock your computer screen?**

A. Windows + L B. Ctrl + S
C. Alt + F4 D. Ctrl + Alt + Del

15. **What is the function of MS PowerPoint?**

A. Playing videos B. Creating presentations
C. Editing spreadsheets D. Drawing pictures

16. What does the Snipping Tool help you do?

A. Take notes

B. Record videos

C. Capture screenshots

D. Scan documents

17. Which of these is used to rename a file or folder?

A. Right-click > Delete

B. Right-click > Rename

C. Right-click > Copy

D. Right-click > Paste

18. Identify the feature shown in the image.

A. Widgets

B. Snap Layouts

C. Task View

D. Control Panel

19. Where can you view all files and folders on your computer?

A. File Explorer

B. Start Menu

C. Taskbar

D. Settings

20. Which app would you use to make a greeting card?

A.

B.

C.

D.

21. Match the gadgets with their correct uses:

Gadget   **Use**

A. Webcam   1. Captures photos and videos

B. Pen Drive   2. Displays images

C. Projector   3. Transfers data

D. Speaker   4. Outputs sound

A. A-1, B-2, C-3, D-4   B. A-1, B-2, C-4, D-3
C. A-1, B-2, C-3, D-4   D. A-1, B-3, C-2, D-4

22. Assertion (A): Antivirus software is considered utility software.
   Reason (R): Utility software helps manage hardware components.

A. Both A and R are true, and R explains A
B. Both A and R are true, but R does not explain A
C. A is true, R is false
D. A is false, R is true

23. Statement 1: The Turtle in Logo only draws lines when PenDown is used.
   Statement 2: The command "FD 100" draws a shape automatically.

A. Both statements are true
B. Only Statement 1 is true
C. Only Statement 2 is true
D. Both statements are false

24. In Logo, what will be the output of the command: REPEAT 4 [FD 50 RT 90]?

A.

B.

C.

D.

25. **Read the passage and answer the question below:**

Rohan's school has 30 computers in one lab. All computers are connected to one server. They can share files, printers, and internet. Sometimes they face slow speeds when all students use the internet at once.

What type of network does Rohan's school likely have?

A. WAN

B. LAN

C. PAN

D. TAN

26. **Which of the following is the most futuristic combination of input and output gadgets used together?**

A. Keyboard + Printer

B. VR Headset + Voice Assistant

C. Mouse + Scanner

D. Projector + Webcam

27. **If this code is used in Logo:**

CLEARSCREEN

REPEAT 4 [FD 70 RT 90]

RT 45

FD 50

What happens?

A. Draws a square then draws a slanted line

B. Draws a triangle then turns

C. Turtle disappears after square

D. The code will show an error

28. **Which of the following best shows real Artificial Intelligence?**

A. A fridge with a cooling system

B. A traffic signal with fixed time pattern

C. A chatbot that learns and answers smartly

D. A printer that prints images quickly

29. **Which of the following best describes Artificial Intelligence (AI)?**

A. A robot doing only physical work

B. Technology that mimics human intelligence

C. A website builder

D. A type of printer

30. **Assertion (A): The CPU is called the brain of the computer.**
    Reason (R): It stores pictures and documents safely.

A. Both A and R are true, and R explains A

B. A is true, but R is false

C. Both A and R are true, but R does not explain A

D. A is false, R is true

Answer Key

1. C   2. A   3. C   4. C   5. B

6. A   7. B   8. C   9. C   10. D

11. B   12. C   13. B   14. A   15. B

16. C   17. B   18. B   19. A   20. C

21. D   22. A   23. B   24. C   25. B

26. B   27. A   28. C   29. B   30. B