

Name Class.....

1. Match the types of blocks to their performance in the scratch.
- 6marks**

BLOCKS

- a. Hat Blocks
- b. Cap Blocks
- c. Control blocks
- d. Motion blocks
- e. Sound blocks
- f. Stack Blocks

USE




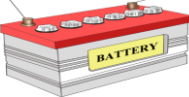
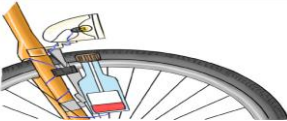

- i) They control a sprite's movement
- ii) They control sound and MIDI
- iii) They perform the main commands.
- iv) They control scripts
- v) They start every script
- vi) These are blocks that end every script.

2. Write MIDI in full.
- 1mark**

3. Classify the following materials into transparent, translucent and opaque. **3marks**
 (Tissue paper, mirror, brick, frosted glass, clear water, clear glass, Wood, Car windscreen, blackboard, muddy water)

Transparent	Translucent	Opaque
1.....	1.....	1.....
2.....	2.....	2.....
3.....	3.....	3.....

4. Name the following sources of electricity.
- 6marks**

		
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Choose the correct option **5marks**

I. **What causes the refraction of light?**

- a. Absorption of light by a medium
- b. Change in the speed of light when it passes from one medium to another
- c. .Reflection of light on a smooth surface
- d. Scattering of light in all directions

II. **When light travels from air into water, how does its speed change?**

- a. It speeds up
- b. It slows down
- c. It remains unchanged
- d. It stops completely

III. **Which of the following best describes the bending of light as it passes from one medium to another?**

- a. Reflection
- b. Dispersion
- c. Diffraction
- d. Refraction

IV. **Why does a pencil appear bent at the surface if it is partially submerged in water?**

- a. The water absorbs the light rays
- b. The air and water refract light at different speeds
- c. The light is completely reflected at the water's surface
- d. The pencil itself bends due to water pressure

V. **A student shines a beam of light at a glass prism. What happens to the light inside the prism?**

- a. It speeds up and exits without bending
- b. It slows down and bends due to refraction
- c. It stops moving inside the glass
- d. It gets completely reflected back

5. Differentiate between reflection and refraction **2 marks**

6. State four important uses of electricity in our daily life. 4marks

- i. _____
- ii. _____
- iii. _____
- iv. _____

7. Draw a closed electric circuit and indicate its components. **3marks**