

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT- IV
SUBJECT—SCIENCE

SET - 2

CLASS: VI
DATE-28.1.14

TIME: 45mts
MARKS:25

I. Choose the most appropriate answer out of the given options:

1x5=5

1. When Pooja was about to switch on the fan in her room, her mother stopped her from doing so. She told her that she should first dry her hands as they were wet, before touching the electric switch. Was Pooja's mother right or not?

- a) Yes. The water can damage the fan b) Yes. Water is good conductor of electricity.
c) No. While using electrical appliances and switches wet of dry does not make any difference
d) No. Water is a poor conductor electricity. Hence it is safe to switch on the fan using wet hands.

2. Hani stood in front of a mirror and she looked at her image, which of the following statement is true.

- a) The image is bigger than her. b) The image is smaller than her.
c) The image is same size as Hani. d) None of the above.

3. A device which converts electrical energy in to light energy.

- a) electric bulb b) switch c) cell d) terminal

4. When Glen looked at a lighted torch through an object he could see a faint glow, but not a torch. The object is

- a) Transparent b) translucent c) opaque d) luminous

5. As the distance between the object and source increases, the size of the shadow.

- a) increases b) decreases c) remains the same. d) none of the above.

II. Give one word for the following:

1x8=8

1. A metal used to make filament.
2. The eclipse happens on new moon day.
3. A path for transmitting electric current.
4. The image formed by pin hole camera
5. Non-metal which conduct electricity
6. A dark region formed when rays of light or blocked by opaque object.
7. The phenomenon by which rays of light are sent back in to the same medium by a surface.
8. A device which makes or breaks the circuit.

III. Short answer type questions:

2x3=6

1. Differentiate between open and closed circuit.
2. Mention any four characteristics of image formed by a plane mirror.
3. Give reason :
 - (a) If light is invisible, how does the surrounding area become visible
 - (b) Electricians use rubber gloves while working with electricity.

IV. Long answer type questions:

3x2=6

1. How many different types of beams are there? Name and describe them with diagram.
2.
 - (a) Mention any two precautions that are advised while handling electrical devices.
 - (b) How are conductors important in electrical circuits?
 - (c) What are the main advantages of secondary cell over a primary cell?

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