

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT- IV
SUBJECT—SCIENCE

SET - 1

CLASS: VI
DATE-28.1.14

TIME: 45mts
MARKS:25

I. Choose the most appropriate answer out of the given options: 1x5=5

1. 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.

2. 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

3. The shape of the shadow depends on
 - a) The shape of the object.
 - b) The position of the source of the light.
 - c) The size of the source of the light.
 - d) All of the above.

4. 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 or dry does not make any difference
 - d) No. Water is poor conductor electricity. Hence it is safe to switch on the fan using wet hands.

5. A device which converts chemical energy in to electrical energy.
 - a) electric bulb
 - b) switch
 - c) cell
 - d) terminal

II. Give one word for the following:

1x8=8

1. The image formed by pin hole camera.
2. The eclipse happens on full moon day.
3. A dark region formed when rays of light or blocked by opaque object.
4. The phenomenon of left side of the object appears to be a right side of the image and vice versa in plane mirror.
5. A device which makes or breaks the circuit.
6. Non-metal which conduct electricity
7. A thin coiled metal wire in electric bulb.
8. A path for transmitting electric current.

III. Short answer type questions:

2x3=6

1. Mention any four characteristics of image formed by a plane mirror.
2. Differentiate between open and close circuit.(2 points)
3. Give reason :
 - (a) If light is invisible, how does the surrounding area become visible
 - (b) It is compulsory to keep a fire extinguisher near the meter room of apartments.

IV. Long answer type questions:

3x2=6

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

----- End-----