

**INDIAN SCHOOL SOHAR**  
**FORMATIVE ASSESSMENT- IV**  
**SUBJECT—SCIENCE**

**SET - 2**

**CLASS: VII**  
**DATE: 8.2.15**

**TIME: 40mts**  
**MARKS: 20**

**GENERAL INSTRUCTION**

**This question paper contains 13 questions. Read the instructions carefully and answer.**

- 1. Questions 1 to 5 carry one mark each. Choose the right answer from the given options.**
- 2. Questions 6 to 9 carry one mark each. Answer in one or two words.**
- 3. Questions 10 to 12 carry two marks each. Answer in one or two sentences.**
- 4. Questions 13 carry five marks. Answer in detail.**

1. The heating element in electric heater, toaster, etc is made of an alloy: 1x5=5  
a. Brass                      b. Steel                      c. Nichrome                      d. Alnico
2. A spherical mirror with its reflecting surface curved inside is :  
a. Plane mirror              b. Concave mirror              c. Convex mirror              d. Plano concave mirror
3. The requirement of fuse wire is a conductor with:  
a. Low melting point    b. High melting point    c. Moderate melting point              d. Very high melting point.
4. A point at which light rays strikes the reflecting surface is:  
a. Principal axis              b. Principal focus              c. Optic centre              d. Point of incidence.
5. A device that is used to measure the potential difference between two terminals of the circuit is:  
a. Barometer              b. Ammeter                      c. Voltmeter              d. Galvanometer
6. Draw the symbol for i) Cell ii) Bulb . 1x4=4
7. Name the device that has the following advantage (a) fuse that is compact in size.  
(b) Switch that trips automatically when current exceeds the prescribed limit
8. What type of reflection takes place on:  
i) the rough road              ii) the smooth wall of your house.
9. Mention the type of mirror used by (i) Dentist (ii) Drivers to view back.
10. Differentiate between concave and convex lens. (2 points) 2x3=6
11. Write any two conditions under which electrical fire is caused.
12. State the laws of reflection.
13. a) Draw a neat labeled diagram of an electric bell . 5x1=5  
b) Complete the following table: Nature of Images formed in convex and concave mirror

<u>Type of image formed</u>	<u>Concave mirror</u>	<u>Convex mirror</u>
Real or virtual	(i) _____	virtual
Upright or inverted	(ii) _____	(iii) _____
Size of the image	Diminished for certain positions enlarged for others	(iv) _____