

SET-2

STD X

**INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT 1-2014**

Marks: 20

4.5.14

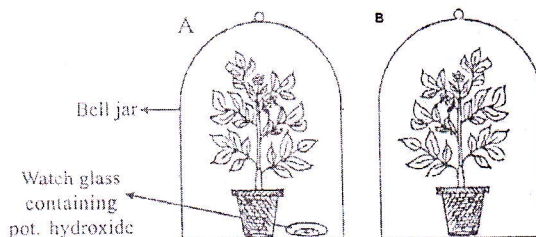
SCIENCE

Time : 45mins

ANSWER THE FOLLOWING:-

1. Define electric potential difference. (1)
2. Balance the given chemical equation. (1)

$$Al + CuCl_2 \rightarrow AlCl_3 + Cu$$
3. Name the internal energy reserve to be used by plant and animals. (1)
4. Calculate the resistance of an electric bulb which allows a 10A current when connected to a 220V power source? (2)
5. Give one example of chemical decomposition reaction which is carried out by (i) electric energy (ii) heat energy. (2)
6. Why is an ammeter always connected in series in an electric circuit? (2)
7. An experimental setup is shown in the figures given below. (2)



- a) Mention the role of KOH placed in the experimental setup A.
- b) Which bell jar, A or B will show the presence of starch and why?
- 8.(a) Express Ohm's law by a mathematical formula. (3)
 (b) Draw a circuit diagram to verify Ohm's law. (3)
- 9.(a) What is observed when a solution of Barium Chloride is added to a solution of Sodium Sulphate taken in the test tube. (3)
 (b) What type of reaction is this?
 (c) Write a balanced chemical equation to represent the above reaction.
10. List the events that occur during photosynthesis. (3)
