

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT-IV
SUBJECT: SCIENCE

SET:-2

CLASS - VIII
DATE:- 27-01-14

MARKS:-25
TIME: 45MINS

I. CHOOSE THE APPROPRIATE ANSWER FROM THE OPTIONS GIVEN BELOW:

(1×5=5)

1. A positively charged ion is called
a) cation b) anion c) atom d) neutron.
2. When an ebonite rod is rubbed with a piece of fur, the fur becomes
a) negatively charged b) positively charged c) neutral d) none of these.
3. Lightning is a process of
a) producing positive charge b) electric discharge c) detecting electric charge d) all of them.
4. When light travels from a rarer medium to denser, it bends
a) towards the normal b) away from normal c) no deviation d) towards rarer medium.
5. A good conductor of electricity is
a) lemon juice b) sugar solution c) spirit d) distilled water.

II. VERY SHORT ANSWER TYPE QUESTIONS:

(1×4=4)

1. How many images will be formed if the angle between two mirror is 180° ? (write formula & solve)
2. What is meant by power of accommodation?
3. During electrolysis of water, on which electrode will hydrogen & oxygen gas be discharged.
4. Name the device that:- a) Displays amazing designs b) Detect electric charges.

III. SHORT ANSWER TYPE QUESTIONS:

(2×5=10)

1. Write four characteristics of image formed by a plane mirror.
2. Differentiate between:- a) Regular and irregular reflection b) electrolytes and conductors.
3. State the laws of reflection.
4. a) Define electrolysis.
b) Write two applications of electrolysis.
5. Write two precautions to be taken during lightning and thundering.

IV. LONG ANSWER TYPE QUESTIONS:

(3× 2=6)

1. Draw a diagram of a human eye and label the following parts.
i) cornea ii) ciliary muscles iii) retina iv) iris
2. a) Minu complained to her teacher that she could not read what was written on the black board clearly. Teacher asked her to sit in front.
i) Name the defect of vision.
ii) How can the defect be rectified?

b). It is advised that while handling electrical appliances we should ensure that our hands and feet are not wet. Justify .

*****THE END*****