

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT-IV
SUBJECT: SCIENCE

SET:-1

CLASS - VIII
DATE:- 27-01-14

MARKS:-25
TIME: 45MINS

I. CHOOSE THE APPROPRIATE ANSWER FROM THE OPTIONS GIVEN BELOW: (1×5=5)

1. When a glass rod is rubbed with silk, silk attains
a) positive charge b) negative charge c) remains neutral d) either positive or negative.
2. If two plane mirrors are placed parallel to each other, then we get
a) two image b) infinite image c) one image d) three image.
3. Subatomic particle with a positive charge found in the nucleus of an atom is
a) ions b) neutron c) proton d) electron.
4. The intensity of Earthquake is measured in
a) seismograph b) Richter scale c) Galileo's scale d) Earthquake meter.
5. During electroplating, the metal on which electroplating is to be done should be at the
a) anode b) cathode c) electrolyte d) solution

II. VERY SHORT ANSWER TYPE QUESTIONS: (1×4=4)

1. Name the device used:-a) To detect electric charge b) To protect building from lightning.
2. On which electrode is hydrogen & oxygen discharged during electrolysis of water.
3. State the law of conservation of charges.
4. What will be the number of images formed if the angle between two mirrors is 90° ? (write formula & solve)

III. SHORT ANSWER TYPE QUESTIONS:- (2×5=10)

1. State the laws of reflection.
2. Differentiate between:-a) Electrolyte & non-electrolyte b) Tsunami & Earthquake.
3. Write four characteristics of the images formed by a plane mirror.
4. a) Define the term electroplating.
b) Write two applications of electroplating.
5. Write two steps you would take during an Earthquake if you are i) indoor ii) out door

IV LONG ANSWER TYPE QUESTIONS: (3×2=6)

1. a). Why are atoms said to be electrically neutral?
b). An old lady standing at the bus stop is not able to see the bus number, She asks her neighbour who tells her the bus number.
i) What defect of vision she is suffering from?
ii) How can the defect be rectified?
2. Draw a neat diagram of a human eye and label the following parts.
i) cornea ii) ciliary muscle iii) retina iv) iris

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