

STANDARDISED ASSESSMENT FOR ELEMENTARY SCHOOLS (SAfES): 2025-2026

SUBJECT: SCIENCE

Class VIII

Duration: 3 Hours

Full Mark - 100

Pass Mark - 40

A. Fill in the Blanks:

(10×1=10)

1. The transformation of the larva into an adult through drastic changes is called _____.
2. The process of depositing a layer of any desired metal on another material by means of an electricity is called _____.
3. Like charges repel and unlike charges _____ each other.
4. The angle of incidence is always _____ to the angle of reflection.
5. When amber is rubbed with fur, it _____ light objects such as hair.
6. Areas along the boundaries of tectonic plates, where earthquakes are more likely to occur, are called _____ zones.
7. The most popular resource for visually challenged persons is _____.
8. Distilled water is free of salts and is a _____ conductor of electricity.
9. The metal plate connected to the positive terminal of a battery is called the _____.
10. The _____ is the part where the development of the baby takes place.

B. Match the following:

Estd: 1980

(5X1=5)

Column (A)	Column (B)
1. Lightning conductor	a. Amoeba
2. Distilled water	b. Richter scale
3. Earthquake	c. Protects the building
4. Binary fission	d. Screen of the eye
5. Retina	e. Free of salt

C. Write whether True or False:

(5X1=5)

1. All liquids are good conductors of electricity.
2. Asexual reproduction involves only a single parent.
3. When an electric current is passed through a copper sulphate solution, copper gets deposited on the electrode connected to the negative terminal of the battery.
4. The Sun, a burning candle, and an electric lamp are examples of illuminated objects.
5. Earthquakes can be predicted accurately in advance.

D. Very Short Type Question:**(14×2 = 28)**

1. Why do we need reproduction?
2. The bulb glows when an electric current passes through it. Give reason.
3. Suggest two measures to protect ourselves from lightning.
4. What is the cause of diffuse or irregular reflection?
5. Give one example each of oviparous and viviparous animals.
6. Is it safe for an electrician to carry out electrical repairs outdoors during heavy downpour?
7. What is earthing?
8. What is lateral inversion?
9. State the functions of the testes and the tail of a sperm.
10. Why should the free ends of the tester be washed and wiped dry after testing each liquid such as lemon juice, tap water, milk or vegetable oil?
11. What are seismic waves and how are they recorded?
12. Why do we see a continuous moving picture in movies?
13. Kimi knew that distilled water is a poor conductor of electricity. When she tested rainwater using a tester, she was surprised because the magnetic compass needle deflected. What could be the reason?
14. What causes lightning?

E. Short Answer Type Question:**(9×3=27)**

1. List three observations that indicate chemical effects of current.
2. Suggest any three safety measures during an earthquake.
3. State the differences between real and virtual images.
4. What is an electroscope? Explain how it works to detect electric charge and what happens when the paper clip is touched by hand?
5. Define fertilization. Name the two types of fertilization and give one example for each.
6. Does pure water conduct electricity? If not, what can we do to make it conducting?
7. Differentiate between viviparous and oviparous animals? Give one example each.
8. State two differences between conductors and insulators of electricity.
9. Why do we see objects only when light fall on them?

F. Long Answer Type Question:**(5×5=25)**

1. Explain the development of embryo in humans.
2. Draw a labelled sketch of the human eye, and explain how you can take care of your eyes.
3. Elaborate the usefulness of electroplating process.
4. Define asexual reproduction. Elaborate the two methods of asexual reproduction in animals.
5. What are seismograph and richter scale? Mention any three most threatened earthquake zones in India.