

Board – ICSE

Class – 8<sup>th</sup>

Topic – Static Electricity

**Tick the most appropriate answer:-**

- When an ebonite rod is rubbed with fur, the charge acquired by the fur is:  
(a) Negative (b) Positive  
(c) Both positive and negative (d) None of these
- When a negatively charged body is brought near a suspended positively charged ball, the ball gets:  
(a) Attracted (b) Repelled  
(c) Stay at same place (d) None of these
- Aluminum metal is a:  
(a) Good conductor of electricity (b) Magnetic substance  
(c) Bad conductor of electricity (d) Bad conductor of heat
- A positively charged body has:  
(a) Excess of electrons (b) Deficiency of electrons  
(c) No change in number of electrons (d) None of these
- When an uncharged conductor gets electrically charged when brought near a charged body the process is called  
(a) Conduction (b) Convection  
(c) Induction (d) None of these
- When a glass rod is rubbed with silk, both glass rod and silk :  
(a) Acquire equal and similar charges (b) Acquire equal and opposite charges  
(c) Acquire unequal and similar charges (d) Acquire unequal and opposite charges

**Statements given below are incorrect. Write correct statements:-**

- Glass wool is good conductor of electricity.
- Positive electrification is due to the excess of electrons.
- When silk is rubbed with glass, the silk gets positively charged.
- Similar charges attract each other.
- When ebonite rod is rubbed with wool, they get oppositely charged due to induction.
- Lightning conductor always develops the similar charges as is the charge in the clouds.
- A gold leaf electroscope can be charged by conduction only.
- The electrons flow from a positively charged body to negatively charged body when connected with a copper wire.
- The fur gets negatively charged because of deficiency of electrons.
- Bad conductors have excess of free electrons.
- Similar charges attract each other and opposite charges repel each other.
- An uncharged electroscope can tell us the nature of charge on a body.
- Lightning is caused due to discharge of similar charged clouds.
- Lightning do not strikes at high rise buildings.
- An insulator allows readily an electric current to pass through it.