

VALUE BASED QUESTIONS ON ELECTROSTATICS

1. One day Ram was feeling fever. His mother took him to the hospital. There the nurse advised him to remove the shoes and to come in. a) what is the reason behind this advice? B) What is the property on which the thermometer works?
2. Rahul and his friend went to park. Suddenly a lightning took place with heavy rain. They all went and took shelter under tree. Rahul advised his friend to get in to the bus and explained the importance of electrostatic shielding. A) What values were exhibited by Rahul? B) What is meant by electrostatic shielding?
3. In one of the street show one person was showing a magic. There paper snake is acting like real one. when he touch with a stick. As soon as he touches with the stick to its head it is also raising its head along with the stick. A student of class XII named Rohan watched this and come to spot to explain the people about the reality of the magic. A) What must have told by the Rohan regarding the scientific explanation? B) Mention the scientific values shown by Rohan?
4. Physics teacher was explaining the topic torque to the class XI students. He took a wooden meter scale and kept over a lens to give support at its mid-point. He took another plastic scale rubbed with silk cloth and brought close to the wooden scale and gently taken away. Then it started to rotated along with the plastic scale. One of the students of class XI wanted to know the reality of the activity and approached to the student of class XII. He explained the scientific principle behind it. A) Explain the principle behind this? B) What are the scientific values shown by the student of class XII?
5. We are all worried about air pollution. There are many ways to fight with it. As a good citizen of India it the moral duty of every one to keep air unpolluted for good health for good health. Can you suggest a general proverb related to precautions and remedies which can be helpful in this case. As a science student give two ways to fight with it, out of this one method should be based on principle of electrostatics.
6. A holy man boasts of having supernatural power. He visits the house of Sham in his absence and asks his young son to bring a bottle of oil. The holy man took a box and droppled of oil in the box and asked the boy to have a peep in the box. The boy exclaimed the drop was hanging in the space of its own. The man then asked the boy to give him some cash so that he can use his power for his benefit. Before the boy could obey him Shan returned home and made the man run away empty handed. Why did Sham do so and was his action morally sufficient?