

Value Based Questions

DUAL NATURE OF MATTER

1. Amit was very happy when he opened a new showroom of ladies suits in a posh colony. He tries to set a few trends e.g. latest verity, low margin of profit, good quality and fixed rates etc. He never knew that his shop is attracting thieves also. Within one month of opening the shop, his shop was wiped out by them and suffered a big loss. Your teacher has told you about photoelectric cells. What advice will you give to Amit and other to safeguard from such incidents to save the society.
2. Hitesh has a camera inherited from his father. This camera has manual settings. He has a Habit of clicking pictures of beautiful girls without seeking their permission. He requested his fast Friend Hement to lend him his camera filled with photoelectric cell for automatic adjustment of camera so that he could click his picture quickly without being noticed by the girls or her relatives Hemant fully well knows about this habit of Hitesh. What do you think he should do?
3. Little Simi was very happy to see flood of white light coming from mercury lamp installed in her street. The yellow light from old ordinary filament lamp used to irritate her whenever she looked out of window. Mercury light was so soothing that she kept on looking at it for very long duration. Next day morning when she woke up, her eyes were paining. Her eyes were red and constantly watering. What happened to her eyes? You live in the same locality. What do you think you should do in this case?
4. X-ray radiation is harmful so the doctor should not misguide the patient just to earn his commission from the tests. If you come across doctor earning money in the form commission by prescribing X-rays for the patients all the time ,What values you expect from a good doctor? How X- rays are produced?
5. Harshita is lived alone with her grandparents and when she went to school her grandparents were alone at home. She was worried about the safety occurring to increased burglary cases in that city. One day she was watching a programme on TV in which they told about burglars ‘Alarm. The very next day Harshita went to the market got a burglar Alarm installed in her house. A) What values are exhibited by Harshita? B) How can a burglar alarm provide safety against burglary?
6. In an experiment of photoelectric effect, Nita plotted graphs for different observation between photo electric current and anode potential but her friend Kamini has to help her in plotting the correct graph. Neeta Thanked Kamini for timely help.
 - a) What value was displayed were Kamini and Neeta.
 - b) Draw the correct graph between I and V
7. A function was arranged in the school auditorium. The auditorium has the capacity of 400 students. When entry started students entered in groups and counting becomes a great problem. Then science students took responsibility at the gate. All the students entered the hall one by one. This helped them to maintain discipline and counting became easy with the help of a device used by these students.
 - (i) What value is displayed by science students?
 - (ii) Name the device which is based on application of photoelectric effect.

COMMON VALUE POINTS:

1. Concern for others
2. Care for elder people
3. Presence of mind
4. Knowledge of day to day happenings.
5. Sympathy
6. Empathy
7. Cooperation with friends
8. Knowledge about various science inventions.