

## Using Scientific Method

Q#1. How has the scientific method helped us in our fight against disease?

Ans. Science has enabled us to overcome deadly diseases. More than thirty years have been added to the life of a common man. Death rate has been reduced. Two hundred years ago seven out of eight babies would die within a year of their birth. Now the situation has much improved. Science has helped us to protect ourselves against harmful diseases.

Q#2. Write a note on the better sanitary conditions available in our cities today and compare them with what they were like a hundred years ago.

Ans. In our cities the roads and streets are paved, they have good drains. There is a sanitary department which keeps them clean. The situation was worst almost a hundred years ago, the household garbage was thrown into the streets. There was no proper drainage system. The people would easily suffer from epidemics.

Q#3. What are the sanitary conditions like in our villages today and how would you improve them?

Ans. The sanitary conditions are very poor in our villages. The streets and roads are unpaved and dirty. There is no drainage system. Outdoor toilets are common. We can improve this situation by self help. The NGOs can play a vital role in this regard; they can mobilize the people and create awareness among them.

Q#4. How has the scientific method helped us in the production and preservation of foods?

Ans. The scientific method has proved to be a blessing for man. We have learned to increase and preserve our food. The use of mechanization, fertilizer and pesticides has enabled us to increase our production of food. We can have more than two crops in a year by using the scientific method. The canned food is available throughout the year.

Q#5. We are now generally less fearful than our ancestors. What were our ancestors afraid of?

Ans. Our ancestors were superstitious people. They believed in the signs of good and bad luck. They were afraid of famines, evil spirits, broken mirrors, broken nails, black cats and the number 13. But now superstitious beliefs are being overcome by using the scientific method. People know that there is a scientific reason behind every happening.

Q#6. How the scientific method has enabled us to overcome the old fears?

Ans. The scientific method has helped us to overcome old fears. Modern men are broad minded and realistic in their thinking. They are better able to explain happenings which used to be considered strange and mysterious in the past. Thus they are less fearful and critical in their approach than their ancestors.

Q#7. What part did astrology play in the lives of men and women in the past? Give examples.

Ans. The people of the past were ignorant, narrow minded and superstitious. They believed in fate, fortune telling, black magic and the power of stars. Astrology and fortune telling greatly influenced them. They believed that the motion of the stars had an effect on their lives. So, they kept on observing the movement of stars to spend their life accordingly.

Q#8. Describe some of the superstitions still current in our country. How do they affect the lives of those who believe in them?

Ans. Superstitious people are the most miserable category in our society, they believe in things which do not exist. In our country they are people who believe that black cat, broken mirror, broken nails and broken stars are the signs of bad luck. Some of the people also believe in evil spirits. Majority of these people are illiterate and unaware of the scientific facts.