

HOLY CROSS CONVENT SENIOR SECONDARY SCHOOL, AMBIKAPUR

SUBJECT-SOCIAL SCIENCE

CLASS-5

Note- Students are requested to write notes in their social science notebook. Blue gel pen is recommended.

(SEMESTER II)

CHAPTER-3

STAYING HEALTHY

I. Oral Questions:-

1. Who discovered the vaccine for smallpox?

Ans. Dr. Edward Jenner discovered the vaccine for smallpox.

2. What is a microscope?

Ans. A microscope is an instrument that makes even those objects look big that cannot be seen with the naked eye.

II. Short Answers:-

1. What is a surgery?

Ans. For some diseases and health problems, the body is cut and opened to cure the ailment. This is known as surgery.

2. How does pasteurisation help to keep us healthy?

Ans. In the process of pasteurisation, water and milk are heated to a certain temperature and then cooled. In this way, the disease causing germs in them are killed and thus it helps to keep us healthy.

3. Why is Dr. Joseph Lister remembered?

Ans. Dr. Joseph Lister is remembered because he was the first person to use a chemical named carbolic acid before surgery which could destroy bacteria and it was the first antiseptic.

III. Answer the following questions:-

1. How has the advancements in science helped us to stay healthy?

Ans. The advancements in science has helped us to stay healthy as it has increased the life span of people through life saving drugs and vaccines.

(i) Vaccinations prevent many diseases.

(ii)Antiseptics destroy many bacteria.

(iii)Surgery has become very advanced and helps people to live longer and be healthy.

2. Describe the child play that led to the invention of the stethoscope.

Ans. Dr. Rene Laennec invented stethoscope when one day he noticed two children playing with long hollow piece of wood,where one was whispering through one end and other was listening through the other end.This child-play led to the invention of stethoscope.

3. How was the fleaglass invented?What could it do?

Ans. Fleaglass was invented when owner of a optician shop looked at a fly through two lenses placed one behind the other. The size of the fly appeared to be as big as a full grown goat.This led to the invention of fleaglass. It could magnify the object.

4. Why are chloroform and penicillin called miracle medicines?

Ans. They are called miracle medicines because -

- Painless surgery could be performed on a patient by giving them a dose of chloroform after which the patient did not feel any pain.
- Penicillin is an antibiotic which prevents the growth of the bacteria and stops infection from spreading inside our body.

5. Who discovered the first vaccine? How did he /she do it?

Ans . Dr .Edward Jenner discovered the first vaccine.

- He observed that those people who had suffered from cowpox even once, did not suffer from smallpox.
- He injected the germs of cowpox in four boys.
- Then he injected them with smallpox germs.
- His experiment became successful when the boys did not get smallpox. This is because their body developed the ability to fight the disease.

6. Your domestic help is running high fever and nobody is at home except you.How would you help him or her?

Ans. First of all I will give them something to eat. Then I will make them rest and will keep some cold water cloth in the areas like forehead,feet and armpit which will help to reduce body temperature. After that I will consult my family doctor and ask to give medicines.

IV. HOTS Questions:-

1. Tuku has fever for past few days.The doctor asks him to go for a blood test.Why does he ask to do this?

Ans . The doctor asked Tuku to go for a blood test because fever in the body is usually caused by an infection in the body. The WBCs or white blood cells fight infections in the body. By carrying out a blood test, the doctor can know whether the fever is due to malaria, typhoid, cold cough or bacterial infection etc. The fever is not a disease but a symptom of a disease and the blood test can tell about it.