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class - XII (SAT)

## AIDS

It is a very dangerous disease caused by a virus. The name of the AIDS causing virus is HTLV-III i.e. human T-cell immunodeficiency. Its conventional name is acquired immunodeficiency syndrome. AIDS has spread to many countries (about 40 countries) of the world.

AIDS virus attacks T-4 cells, entering through blood stream. During incubation period this virus attacks genes. Due to this the Immune system collapses. During this many infections appear in the body defence mechanism collapses.

### SYMPTOMS OF AIDS

- ① Weight loss
- ② Persistent fever for about a week.
- ③ Fatigue.
- ④ White patches in the mouth
- ⑤ Diarrhoea
- ⑥ Blood in stool
- ⑦ Enlarge lymph nodes in neck axilla.

### HEPATITIS

Hepatitis is a liver disease. It is a dangerous disease. It can be following types.

1. Hepatitis anoxia: - In this disease liver lobules get injured. This scarcity of oxygen is caused in the liver. This may be haemorrhage or heart failure.

2. Blood collection in liver: - In this disease the blood is collected in the liver.

3. Portal obstruction: - Due to the liver damage oedema in liver cells is observed. It gives rise to the obstruction in portal vein.

4. Liver failure: - Liver failure causes excretory failure, parenchymal failure and obstruction in portal system.

## LEPROSY

It is chronic infectious disease caused by a bacteria. In this disease painful nodules are formed. These are beneath the skin. Leprosy is of four types: (A) Intermediate leprosy, (B) Lepromatous leprosy, (C) Tuberculoid leprosy, (D) Dimorphic leprosy. ✓