

20/10/2020  
TUESDAY

## BIOLOGY

STD - X  
class - 26

### Assignment

1) Prepare a note on Nipah virus.

Ans) Natural vector - Fruit eating bats

Mode of transmission - Virus enters human through different means. Directly from bats through its saliva and urine, through remains of fruit eaten by bats, through pig which eat the remains of fruit eaten by bats, from patient to healthy person through air.

2) Fill in the blanks

Disease	Mode of transmission
Rat fever and Hepatitis	spread through contaminated water
Nipah virus	spread through bats
AIDS	spread through sexual contact

### Notes

1) AIDS

• How does HIV multiply in the human body?

Ans) In the human body immunity is provided by lymphocytes. HIV enters the body and multiplies using the genetic mechanism of lymphocytes.

• The number of lymphocytes and AIDS.

Ans) The number of lymphocytes in the body of AIDS patient would be very less.

• The condition that makes AIDS fatal.

Ans) As the number of lymphocytes decreases considerably, it reduces the immunity of the body. Various other pathogens which enter the body in such a situation cause many diseases. This makes the condition of the patient more fatal.

2) Hepatitis

• Causative agent - Virus

• Symptoms - Inflammation of the liver, yellow colour to the white portion of the eyes and the nails.

• Mode of transmission - Transmission is through contaminated food and water, blood components and excreta of the patient.