

7/10/2020
WEDNESDAY

BIOLOGY

STD-8
class-24

NOTES

Text book page no. 57, 58, 59.

1) Analyse the newspaper report and present the findings.

- Ans) *
- * contagious diseases threat after flood.
 - * measures to solve drinking water scarcity.
 - * united actions to prevent the transmission of diseases.

2) Prepare a list containing diseases causing pathogenic microorganisms.

- Ans) • Bacteria • Virus • Fungus • Protozoa

3) Analyse the illustration 4.1 and formulate inferences.

Ans) Inferences

- * Pathogens are transmitted from one person to another through different modes.
- * Through contaminated food and water.
- * Through air.
- * Through vectors.
- * Through unsterilized equipments.
- * Through sharing clothes used by the patient.
- * Through contact with the patient.

4) Rat fever

- * Causative organism : Leptospira bacterium
- * Mode of transmission : Pathogen may be present in the urine of rats and dogs. It remain active in stagnant water. From there it passes through wounds into the body and causes the disease.

* Infection : Bacteria reach the body tissues through blood. They affect the body cells and produce certain toxins. They cause damage to blood capillaries which in turn leads to internal bleeding. Following this, liver and kidneys are damaged and the patient dies.

* Symptoms : severe fever, head ache, muscle pain and redness in eyes.

Measures to prevent the transmission of disease.

- * Avoid stepping into stagnant water.
- * wear long gloves and gumboot while working in fields and streams.
- * Prevent the multiplication of rat.