STD 10-BIOLOGY-FIRST BELL-CLASS-32 Date 27/11/2020 Chapter – 5

Soldiers of Defense

Specific defense mechanism

- Defense mechanism that specifically identify and destroy pathogens that enter the body by overcoming the non-specific defense mechanism of the body.
- Foreign bodies or pathogens that enter the body and stimulate the defense mechanism are called **antigens**.
- The defense mechanism that identifies the structure of each antigen and destroys it specifically is called **specific defense**.

Lymphocytes – The Warrior

• White blood cells called lymphocytes are involved in specific defense mechanism.

There are two types of lymphocytes





- The tissue fluid is absorbed into the blood and lymph ducts.
- The tissue fluid seen in the lymph ducts are called lymph.

The lymphatic system has:

- Lymph
- Lymph ducts
- Lymph nodes
- Spleen

Lymph as defense mechanism

- > The lymph is formed from the blood and reabsorbed into blood.
- ➢ Lymph contains plenty of lymphocytes.
- > They destroy the disease causing bacteria in lymph nodes and spleen.

EVALUATION:

- 1) Compare and tabulate B &T lymphocytes.
- 2)Prepare a note on specific defense mechanism.