

18/11/2020
WEDNESDAY

BIOLOGY

STD - 8
class - 30

Assignment

1. Prepare a note on inflammatory response.

Ans) The cells that get damaged by a wound or by an infection produce certain chemical substances. These substances dilates the capillaries thereby increasing the blood flow. Blood plasma and more white blood cells reach the wound site. This is the reason for the swelling of the wound site. This defense mechanism is known as inflammatory response. Inflammatory response is a type of defense mechanism. As the blood vessels at the wound site becomes dilated, more blood and there by more white blood cells reach there. Hence more germs are engulfed and destroyed.

2. What is the role of white blood cells in defense?

Ans) There are five different types of white blood cells. Neutrophils and monocytes engulf and destroy germs. Basophil stimulates other white blood cells. Eosinophil synthesizes chemicals required for the inflammatory responses. It synthesizes chemicals that destroyed foreign bodies. Lymphocyte identifies and destroys germs specifically.

3. Prepare a flow chart of phagocytosis.

- Ans)
- * Phagocytes reach near the pathogens.
 - * It engulfs the pathogen in the membrane sac.
 - * The membrane sacs combine with the lysosome.
 - * The enzyme in the lysosome destroys the pathogens.
 - * Expels the remnants.