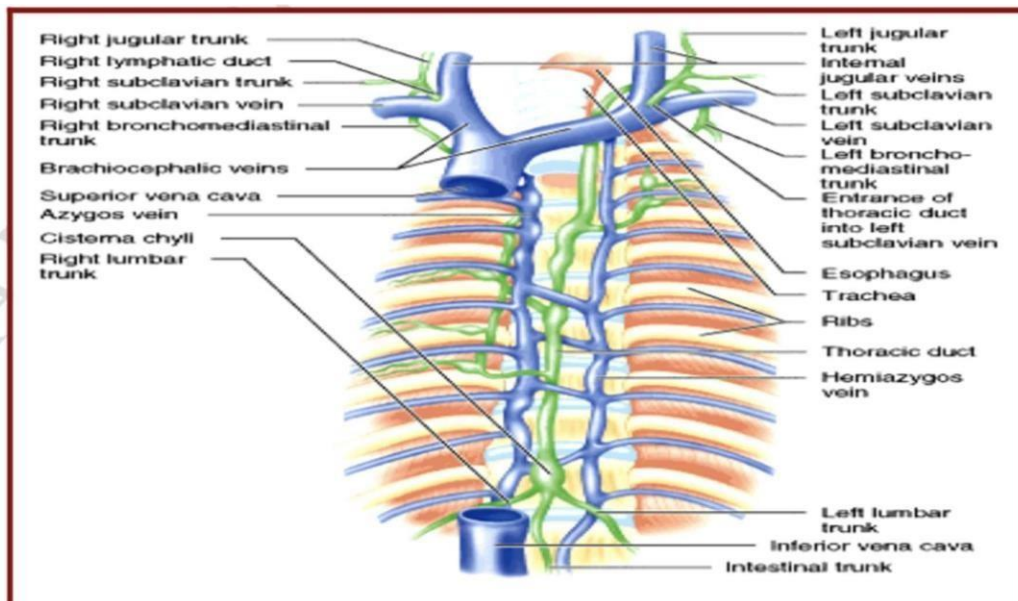


UNIT-III (Body fluids and blood)**CLASS:10****TOPIC – Lymph circulation and functions of lymphatic circulation**

- Lymphatic system works in collaboration with the circulatory system to transport various essential nutrients in the body.
 - It carries lipids and lipid soluble vitamins (a, d, e & k) absorbed by the gastrointestinal tract to the blood.
 - Lymphatic system delivers oxygen, hormones and other essential nutrients through the blood, to the body cells.
3. Digestion:
- Lymphatic system also assists the digestive system in various ways.
 - The lymphatic vessels that are located in the gastrointestinal lining help in the absorption of fats from the food that we eat.
 - Lymphatic system is required for proper assimilation of fats in the body. failure on the part of lymphatic system may result in serious malnutrition.
 - Lymphatic system prevents obesity which results due to accumulation of 'bad' fat in the body.
4. Excretion:
- Lymphatic system removes dead blood cells, excess fluid, waste, debris, etc. from the body, thereby assisting in excretion of waste materials from the body.
 - Lymphatic system also removes pathogens, toxins and cancer cells from the body cells as well as inters cellular spaces.
5. Protection:
- Lymphatic system consists of b-cells and t-cells. These cells provide us protection against the harmful pathogens like bacteria, toxins, virus etc.
 - when pathogens enter in to the cells they get activated and fight against it.
 - First they identify the pathogen and if it is harmful for us then they kill it by cell mediated immunity (t-lymphocyte mediated) or humeral immunity (b lymphocyte mediated) and protect us from harmful diseases.

UNIT-III (Body fluids and blood)**CLASS:10****TOPIC – Lymph circulation and functions of lymphatic circulation****IMPORTANT QUESTIONS:****2M QUESTIONS:**

1. What is lymph.

5M QUESTIONS:

- 1) Write about composition and functions of blood.
- 2) Write an explanatory note on lymphatic system.

10M QUESTIONS:

- 1) Write about composition and functions of blood.
- 2) Write an explanatory note on lymphatic system.