

**I. Very short questions:**

1. Name the components required for photosynthesis.
2. Where in the lungs does gaseous exchange take place?
3. What substances are transported in plants by: Xylem vessels and tracheids.
4. What is transpiration? How is it beneficial to plants?
5. What are the parts of central nervous system?

**II. Short questions:**

1. Name the three types of nerves which constitute the peripheral nervous system.
2. Define reflex arc. Give the flow chart of a spinal reflex arc.
3. What is lymphatic system? Write two functions.
4. Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms.
5. Explain role of HCL and bile in digestive system.

**III. Long questions:**

1. What is double circulation? Describe the working of human circulatory system with the help of a suitable diagram.
2. What is selective reabsorption? Draw the structure with neat labelling.
3. What are enzymes? Name few enzymes which helps in digestion of food and explain their action on different types of food material.