Life Processes

1 mark:

1. How do autotrophs obtain CO_2 and N_2 to make their food? **[CBSE 2008]**
2. Where does digestion of fat take place in our body? **[CBSE 2009]**
3. Name the green dot like structures in some cells observed by a student when a leaf peel was viewed under a microscope. What is this green colour due to? **[CBSE 2010]**

2 Marks:

4. Write one function each of the following components of the transport system in human beings: **[CBSE 2008]**
   A. Blood vessels
   B. Blood platelets
   C. Lymph
   D. Heart

3 marks:

5. How are oxygen and carbon dioxide transported in human beings? How are lungs designed to maximise the area for exchange of gases? **[CBSE 2008]**

5 Marks:

6. (A) Draw a sectional view of the human heart and label on it Aorta, Pulmonary arteries, Vena cava, Left ventricle.
   (B) Why is double circulation of blood necessary in human beings? **[CBSE 2009]**

   OR

   (A) Draw the structure of a nephron and label the following on it:
   Glomerulus, Bowman's capsule, Renal artery, Collecting duct.
   (B) What happens to glucose that enters the nephron along with filtrate?

7. Explain the process of digestion of food in mouth, stomach and small intestine in human body. **[CBSE 2010]**

   OR

   (A) List the three events that occur during the process of photosynthesis. Explain the role of stomata in this process.
   (B) Describe an experiment to show that "sunlight is essential for photosynthesis."