
CBSE TEST PAPER-03

Class – X Science (Life Processes)

1. Trachea do not collapse when there is not much air because they are – [1]
 - a) thick and muscular
 - b) having cartilaginous rings
 - c) Have valves
 - d) supported by larynx.
2. Which one of the following blood vessels contains only deoxygenated blood? [1]
 - a) pulmonary vein
 - b) pulmonary artery
 - c) capillaries
 - d) Aorta
3. The autotrophic mode of nutrition requires – [1]
 - a) Chlorophyll
 - b) Sunlight
 - c) Carbon – dioxide & water
 - d) all of the above
4. Name the red pigment carrying oxygen in blood. [1]
5. Name the hormone which is responsible for reabsorption of water in nephrons. [1]
6. How is opening and closing of stomata regulated? [2]
7. State two vital functions of kidney. [2]
8. Differentiate between aerobic and anaerobic respiration. [2]
9. Meat is easier to digest as compared to grass. Why? [2]
10. Discuss the mode of nutrition in amoeba. [3]
11. With the help of labelled diagram, discuss the structure of cross – section of leaf. [3]
12. What do you mean by 'lymph'. Mention its function. [3]
13. How are lungs designed in human beings to maximize the area of exchange of gases [3]
14. (i) Draw a well labeled diagram of human digestive system [5]
(ii) Describe the role of following in digestion.
 - a) Bile
 - b) Salivary amylase
 - c) HCl