

BHARATIYA VIDYA BHAVAN'S V M PUBLIC SCHOOL, VADODARA

QUESTION BANK

Chapter -6 Life Processes

1 mark questions

1. What are nutrients?
2. What is the importance of nutrients?
3. What is autotrophic nutrition?
4. What is heterotrophic nutrition?
5. Why are green plants called producers?
6. What is photosynthesis?
7. What are the raw materials required for photosynthesis?
8. From where do the green plants get carbon dioxide?
9. How do green plants get water?
10. Why are minerals essential in photosynthesis?
11. How do plants obtain minerals?
12. Give account of the reaction of the photosynthetic reaction?
13. How do the plants obtain carbon dioxide and water?
14. Name the different types of heterotrophic nutrition?
15. What is holozoic nutrition?
16. What are saprotrophs?
17. Name two parasitic plants?
18. How are all plants and animals dependent on green plants?
19. What are the steps involved in holozoic nutrition?
20. How is food digested in amoeba?
21. Describe the digestion of food in the small intestine?
22. What is the function of large intestine in the human digestive system?

2mark question

1. How is the radiant energy of the sun utilized in the green plants?
2. What are the various factors effecting photosynthesis?
3. What are detritivores?
4. Which are the two sets of teeth in human?
5. Why do organisms need food?
6. Name a few respiratory substrates. Which of them is most commonly used?
7. How does exchange of gases take place in fish?
8. How does gaseous exchange take place in the lower plants?
9. What are the functions of the pharynx?
10. Describe inspiration and expiration in fish.
11. Mention four nitrogenous waste produced by animals?
12. Why do higher plants and animals need a transportation system?
13. What is active transport? Give an example.
14. What are root hairs? What is their function?

3 Mark Question

1. Describe the structure of the Human lungs.
 2. How does exchange of gases take place in the alveoli?
 3. How are wastes formed in the body?
 4. Name three beverages that are diuretics?
 5. What is transpiration pull? What is its effect?
 6. What are the 'lub' and 'dub' sounds produced by the heart?
 7. Explain the three pathways of breakdown of glucose in living organisms.
 8. What is translocation? Why is it essential for plants?
 9. List the three kinds of blood vessels of human circulatory system and write their functions in tabular form.
 10. a) Name the following:
 - i) Organ which stores bile
 - ii) Organ which produces bile
- b) Name one enzyme present in pancreatic juice and give its function.

5 Mark Questions

1. a) List two differences between 'holozoic nutrition'. Give two examples each of these types of nutrition.
b) State the roles of liver and pancreas.
2. How do the guard cells regulate opening and closing of stomatal pores? Explain with the help of diagram.
3. a) Draw a sectional view of the human heart and label on it, Aorta, Right Ventricle and Pulmonary Veins.
b) State the functions of the following components of transport system:
 - i) Blood
 - ii) Lymph
4. 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?
5. a) Write two differences between autotrophic nutrition and heterotrophic nutrition.
b) Draw a diagram showing cross-section of a leaf and label on it:
Phloem, Xylem, Vascular Bundle, Lamina.
6. a) Draw a diagram of human alimentary canal and label on it:

Gall Bladder, Liver, Pancreas, Small Intestine.

b) Describe the role of:

i) Hydrochloric acid in our stomach.

ii) Digestive enzymes.