# Class 7 - Biology 20 Marks

## Multiple Choice Questions (10 MCQs)

1. What is the role of the tongue in digestion?

a) To push food into the stomach b) To detect taste and help in mixing food with saliva

c) To digest carbohydrates d) To store saliva

2. What is the primary function of the large intestine?

a) To digest proteins b) To absorb water and salts

c) To produce digestive enzymes d) To store undigested food

3. How does an amoeba ingest food?

a) Through a mouth b) Using pseudopodia

c) Through gills d) By absorption through the skin

4. What type of animals are known as ruminants?

a) Those that chew cud b) Those that eat meat only

c) Those that eat plants only d) Those that swallow food whole

5. What is not a role of nutrients in plants?

a. To build body structures b. To facilitate growth

c. To synthesize chlorophyll d. To fix nitrogen

6. What is the main reason plants need nitrogen?

a. To make chlorophyll b. To create a strong structure

c. To synthesize proteins d. To store energy

7. What is transpiration?

a. Absorption of water by roots b. Loss of water from leaves

c. Synthesis of food in leaves d. Growth of roots in soil

8. Which type of nutrition do fungi use?

a. Autotrophic b. Heterotrophic c. Saprotrophic d. Parasitic

9. Which of the following statements is/are correct?

i All green plants can prepare their own food.

ii) Most animals are autotrophs.

iii) Carbon dioxide is not required for photosynthesis.

iv) Oxygen is liberated during photosynthesis.

Choose the correct answer from the options below:

(a) (i) and (iv)

(b) (ii) only

(c) (ii) and (iii)

(d) (i) and (ii)

10. Two organisms are good friends and live together. One provides shelter, water, and nutrients while the other prepares and provides food. Such an association of organisms is termed as

(a) saprophyte (b) parasite (e) autotroph (d) symbiosis

## One Marks Questions

1. Which gas is released as a byproduct during photosynthesis?

2. What is the name of the semi-liquid mass of partly digested food that exits the stomach?

## Fill in the Blanks7

1. \_\_\_\_\_\_\_\_\_\_ is the plant tissue responsible for the transportation of water and minerals from the roots to other parts of the plant.

2. Bile, produced by the liver, helps in the digestion of \_\_\_\_\_\_\_\_\_\_.

## Two Marks Questions

1. Choose the odd one out from each group and give reasons.

(a) liver, salivary gland, starch, gall bladder

(b) stomach, liver, pancreas, salivary gland

(c) tongue, absorption, taste, swallow

(d) esophagus, small intestine, large intestine, rectum

## Four Marks Questions

1. Explain the Process of Photosynthesis in Detail, Including the Role of Chlorophyll and Stomata.

1. Describe the process of photosynthesis, including the chemical equation.
2. Explain the importance of chlorophyll in capturing light energy.
3. Discuss the role of stomata in gas exchange, specifically how they facilitate the entry of carbon dioxide and the release of oxygen.
4. Mention how water absorbed by roots is transported to the leaves for use in photosynthesis.