

CLASS X
LIFE PROCESSES (NUTRITION)

ONE MARK QUESTIONS

- 1 Give the appropriate terms to the following statements
 - a. Any substance taken into the body for purpose of providing nutrition.
 - b. Conversion of complex food particles into simpler food particles in presence of enzymes.
- 2 Name the enzymes found in the pancreatic juice.
- 3 What are the raw materials used in photosynthesis.
- 4 What is the role of gastric HCl ?
- 5 What is life process? Give some examples for life process?
- 6 Name the type of nutrition
 - a. Fungi like bread mould, yeast, mushroom breakdown the food materials outside the body and absorb it.
 - b. Cuscuta, lice and ticks derive nutrition from plants or animals without killing them

TWO MARKS QUESTIONS

- 7 How does Amoeba intake food? Briefly mention.
- 8 Which digestive secretion does not contain any enzyme but is very important in the process of digestion. Comment on it.
- 9
 - a) What are the major events occurring during the process of photosynthesis?
 - b) Name the energy transformation taking place in the process of photosynthesis.
- 10 Write the name / terms associated with the following
 - a) the natural phenomenon involved in autotrophic nutrition
 - b) the organelle of the leaf in which photosynthesis takes place
 - c) the photosynthetic pigment which absorb light energy
 - d) the structures associated with vascular bundle
- 11 How is the small intestine designed to absorb food ?
- 12 Leaves of a healthy potted plant were coated with Vaseline to block the stomata. Will this plant remain healthy for long? State three reasons for your answer.

THREE MARK QUESTION

- 13 How are fat digested in our bodies? Where does this process take place?
- 14 Match the following pair of statements (associated with an experiment in photosynthesis) and place them in the correct order in which they occur

Stages in starch test	Reason
Wash leaf in water	Kills leaf
Boil leaf in water	Soften leaf
Cover with iodine solution	Removes chlorophyll
Boil leaf in ethanol	Inflammable (prevent fire)
Use of water bath	Stain starch

- 15 What is peristalsis? . Explain both mechanical as well as the chemical part of digestion of food in the mouth of man.
- 16 Parwati collected his saliva and mixed it with liquid A in the test tube. In another test tube he took only liquid A. After 10 minutes, she added a few drops of iodine solution in the mixture in the first test tube. It did not show any colour but when she treated the other test tube with iodine, a blue black colour appeared. Now answer –
- What is the aim of this activity?
 - What is liquid A?
 - Why did the first test tube not show any colour change with iodine while the second one did?
 - Which enzyme is responsible for such a result?
- 17
- Explain the process of digestion of food in the stomach.
 - How passage of food from the stomach is regulated onwards?
 - Explain the process of fat digestion in the gut of man.
- 18 Amar, Rohit and Kishore always remain in a hurry. One day, during lunch hour Amar and Rohit started gulping food quickly. Kishore told them to eat slowly. But they did not listen to him and went out to play. Amar suddenly developed stomach ache while playing.

Answer the following questions based on the situation mentioned above

- What according to you might have gone wrong with him?
- What advice would you give to him?
- What values are promoted by Kishore?