

**SECTION A: MULTIPLE CHOICE QUESTIONS:**

Tick the correct option:

- i) What is the main purpose of food for animals?  
a) Growth and entertainment   b) Growth, repair, and functioning of the body   c) Growth and sleep   d) Repair and reproduction
- ii) Where does the digestion of proteins begin in humans?  
a) Mouth   b) Stomach   c) Small intestine   d) Large intestine
- iii) What does the pancreas secrete?  
a) Bile   b) Pancreatic juice   c) Hydrochloric acid   d) Mucous
- iv) What is the function of villi in the small intestine?  
a) To secrete digestive juices   b) To increase surface area for absorption   c) To produce bile   d) To chew food.

**SECTION B: ASSERTION REASON QUESTIONS:**

- i) Assertion (A): Digestion of carbohydrates, like starch, begins in buccal cavity.  
Reason (R): The digested food is absorbed in the blood vessels from the small intestine.
- ii) Assertion (A): Liver secretes a juice called bile juice.  
Reason (R): Bile juice is stored in liver.

Choose the correct option:-

- (a) Both A and R are true and R is the correct explanation of A.  
(b) Both A and R are true but R is not the correct explanation of A.  
(c) A is true but R is false.  
(d) A is false but R is true.

**SECTION C: Case Study:** Jiya returned from school and found that grandmother was scolding her maid, Rani as she did not come yesterday. The maid said that his son was passing watery stools frequently that is why she didn't come. Jaya's mother suggested Rani to give her son a solution of sugar and salt in clean water, many times a day for fast recovery.

- (a) Name the term used to describe the condition in which a person passes out watery stools.  
(b) Write full form of ORS. Why is it given to a person suffering from diarrhoea? How is it prepared?

**SECTION D: Answer the following questions:-**

1. Rahul took some grains of boiled rice in test tube 'A' and Sonia took boiled and chewed rice in test tube 'B'. Both of them poured 1 -2 drops of iodine solution into the test tube and observed the colour change. What colour change would they have observed? Give reasons for your answer.
2. Differentiate between milk teeth and permanent teeth.
3. What causes tooth decay? How can tooth decay be prevented? Write four points.
4. Name four types of permanent teeth and write functions of each.
5. Name the fleshy muscular organ present inside the mouth. Write its functions. ( Any four)
6. What does the lining of the stomach secrete? Write functions of each.
7. Name the largest gland of our body. Where is it located? Write its functions.
8. Where is pancreas located? Write its function?
9. Write the function of intestinal juices.
10. A' got her gall bladder removed surgically as she was diagnosed with stones in her gall bladder. After the surgery, she faced problems in digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why?
11. Draw a neat and well labelled diagram to show nutrition in amoeba.
12. Draw the diagram of tongue to show the different taste buds.