

**BCM SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA**

**CLASS VII**

**SUBJECT-SCIENCE**

**JULY ASSIGNMENT**

**Chapter- 2(Nutrition in Animals)**

**Chapter – 4 (Acids, Bases and Salts)**

**General Instructions:**

- 1. Q. 1 to 2 are multiple choice type questions.**
- 2. Q. 3 to 4 are Assertion- Reason type questions.**
- 3. Q. 5 to 8 are short answer type questions.**
- 5. Q. 9 is Case Study based question.**
- 6. Q. 10 is Diagram based question.**

**Tick the correct option**

**1. A patient is unable to digest fats properly. Which of the following organs is most likely not functioning well?**

- A. Stomach**
- B. Liver**
- C. Small intestine**
- D. Pancreas**

**2. You are given three unlabeled solutions: one acidic, one basic, and one neutral. Which method would you use to identify them?**

- A. Smell each solution**
- B. Taste each one**
- C. Use litmus paper**
- D. Heat them**

**(Choose the correct option):**

**A. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.**

**B. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.**

**C. Assertion is true, but Reason is false.**

**D. Assertion is false, but Reason is true.**

**3. Assertion (A): Amoeba engulfs food with the help of pseudopodia.**

**Reason (R): Pseudopodia help Amoeba in movement and capturing food.**

**4. Assertion (A): Vinegar turns turmeric paper red.**

**Reason (R): Vinegar is a weak acid.**

**5. A person has low production of saliva. How will it affect digestion?**

**6. Sour milk (curd) is stored in a metal bowl. After some time, the bowl is damaged. What caused the damage and why?**

**7. Why is the mouth called the beginning of the digestive system? What role does saliva play?**

**8. If soap water spills on turmeric-stained clothes and turns the stain red, what can you conclude?**

**9. Case Study**

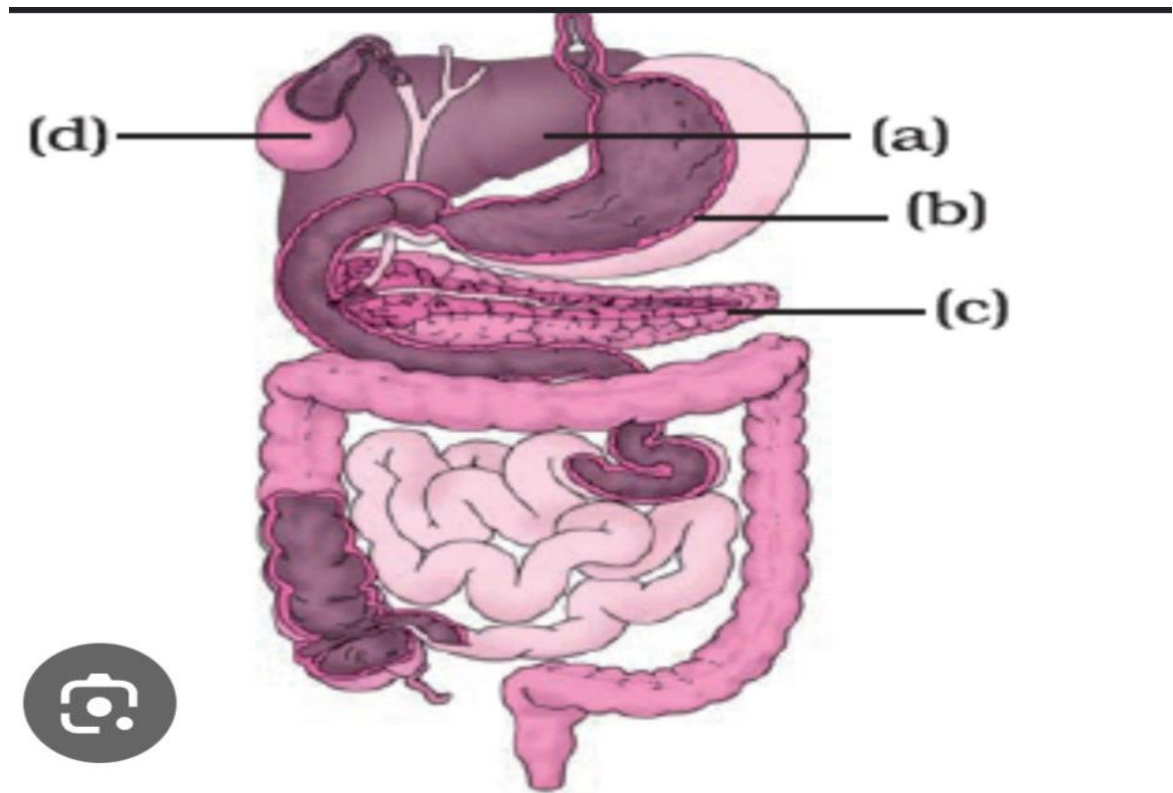
**Ravi was helping his grandmother in the kitchen when she accidentally spilled lemon juice on a marble floor. After a while, he noticed that the floor became rough and lost its shine in that area. Curious, Ravi asked his teacher about it the next day. The teacher explained that lemon juice contains citric acid and marble is made of calcium carbonate, a base. The acid reacted with the marble and damaged the surface.**

**Later in the science lab, Ravi also learned about natural indicators like turmeric and red cabbage extract. He performed an activity where he added soap solution to turmeric paper and observed a red color.**

**Q1. If vinegar is spilled on marble, what would likely happen?**

**Q2 Ravi observed that lemon juice damaged marble but not the kitchen tiles. What could be the reason for this difference?**

## 10. Diagram based question



### Questions Based on Diagram:

- Q1. Label the parts a to d in the given digestive system diagram.
- Q2. What is the function of the organ labeled as “Pancreas” in the digestive system?
- Q3. Name the organ where bile juice gets stored.