

BCM SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA

Class VII Science

Date: July 31, 2024

Assignment

Case Study 1

The food passes through a continuous canal which begins at the buccal cavity and ends at the anus. The canal can be divided into various compartments. Is it not a very long path. These parts together form the alimentary canal (digestive tract). The food components gradually get digested as food travels through the various compartments.

- a) The canal can be divided into how many compartments?
- b) Name the glands which are associated with the canal.
- c) Name the largest gland in the body.

Case Study 2

Priya's father was suffering from severe stomach pain. He was showing symptoms of heartburn and indigestion. He consulted a doctor who told him that he was suffering from acidity and advised him to take an antacid tablet after each meal. Priya's father followed the advice strictly and was cured.

- a) Which acid is produced in our stomach?
- b) Explain how an antacid tablet gave relief to Priya's father.
- c) Is a glass of lemon water gives relief in indigestion? Why?

Answer the following questions:

1. Boojho took some grains of boiled rice in test tube 'A' and Paheli took boiled and chewed rice in test tube 'S'. 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. 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?

- 3. Why does a turmeric stain on white shirt is turned to red when it is washed with soap?**
- 4. While playing in a park, a child was stung by a wasp. Some elders suggested applying paste of baking soda and others lemon juice as remedy. Which remedy do you think is appropriate and why?**