



Std: 7

Time: 2 Hrs

**Instructions**

1. 15 minutes cool-off time is to be allotted for reading and understanding the activities.
2. Answer any **SIX** activities from the given **EIGHT** activities.
3. Answer all sub questions of the selected activities.

**Activity 1**

A child's research project is on the topic 'Pollution problems in My Area'. It should include the pollution of soil, water and air.

- A) Write one question the child would ask to prepare this project at the time of his house visit related to each area.
- B) Write two activities to be undertaken change to make our school a waste free Green School.
- C) Write two services done by the Haritha Karma Sena.

**Activity 2**

Examine the table prepared by a student who recorded the results of an experiment.

Glass – 1	Glass – 2
When honey was poured in to water, it dissolved in the water.	When honey was poured into water, it sedimented at the bottom.
When a piece of cotton cloth was dipped in honey and burned it, it produced cracking sound.	When a piece cotton cloth was dipped in honey and burned it, it burned well.
Honey added water had a different taste	Honey added water had no difference in taste.

- A) Which glass has the best quality honey? Illustrate your opinion.
- B) Design an experiment to prove that adulterant is added to turmeric powder.
- C) Adding something similar to food items is also adulteration. Write what other things are included in adulteration..

### Activity 3

Examine the table.

Object	Colour in acid	Colour in alkali
A	Pale pink	Pale yellow
B	Colour less	Pink
C	Red	Blue
D	Red	Blue

- A) The above A, B, C and D are used as indicators. Examine the table and identify them.
- B) Name two natural indicators and write their colour change in acid and alkali.
- C) Which bacteria is present in curd?
- a) Lacto Bacillus
  - b) Coliform
  - c) Rhizobium

### Activity 4

The message given by the health department related to World Food Day is given below.

*Hygienic, safe and healthy food is the right of everyone. Hygiene is the most important. Wash your hands with soap before serving and eating food.*

- A) Write any four other suggestions' related to hygiene.
- B) Name the scientific method of preserving milk. Explain.
- C) Which chemical substance is added to ice to prevent it from melting quickly and to preserve fish.
- a) Ammonium Chloride
  - b) Ammonium Hydroxide
  - c) Aluminium Hydroxide

### Activity 5

The different type of teeth seen in humans are incisors, canine, molars and premolars.

- A) Which of these teeth is not needed for herbivores?
- B) What are the changes that take place to the food in stomach?
- C) What are the digestive secretions that mix with partially digested food in the initial part of the small intestine? Name the digestive glands which produce these secretions.

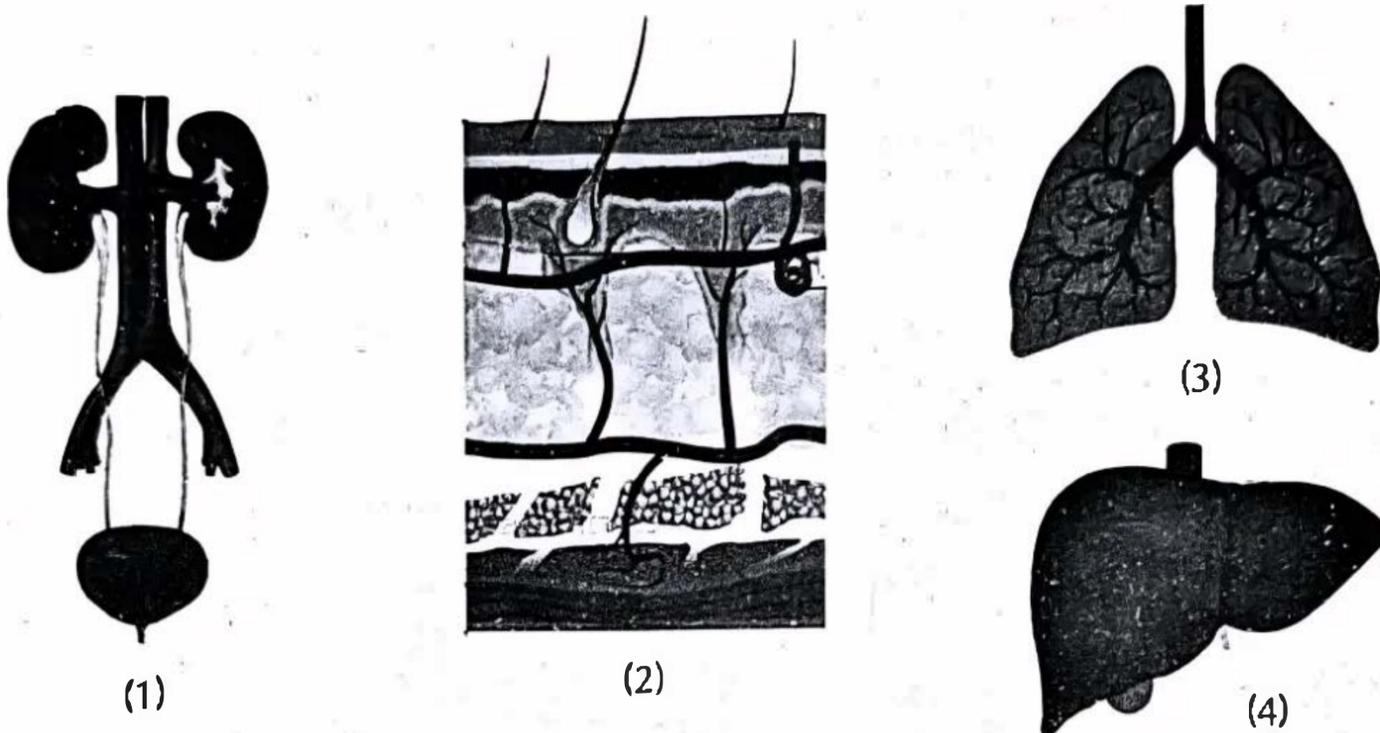
**Activity 6**

The tiffin box of a child was tightly closed. With the help of the teacher, the tiffin box was heated and opened.

- A) Which property related to heat in solids is used here?
- B) Write one such situation related to heat in the liquid and gas states that happened in the tiffin box.
- C) Why was only the lid heated instead of the entire tiffin box?

**Activity 7**

A)



Have you examined the pictures? What is the function of these organs related to excretion?

Name of the organ	Function related to excretion
1) Kidney	a) .....
2) .....	b) Sweat
3) Lungs	c) .....
4) Liver	d) .....

- B) What should be done to maintain the health of kidneys?
- C) Which organ system controls and coordinates the physical activities.

## Activity 8

- A) When the half part of the moon on which sunlight falls is visible from the Earth, which among the following can be seen to us.
- a) The day will be a Full Moon day
  - b) The day will have a Half Moon during sunset.
  - c) That day will be a New Moon day (Amavasi)
  - d) A small crescent will be visible on that day.
- B) Write the reasons for waxing and waning of the Moon.
- C) Only one side of the Moon is seen facing the Earth. Why?