

**BUDHA DAL PUBLIC SCHOOL PATIALA**  
**First Term Examination (23 September 2025)**  
**CLASS - VII**  
**PAPER- SCIENCE (SET-B)**

Time:3 hr.

**M.M. 80**

**General Instructions:**

1. All questions are compulsory.
2. Attempt all questions section wise in the serial order neatly and leave one line after every answer.
3. Draw neat and labelled diagrams wherever required.

**Section - A**

I) **Answer in one word or one sentence :** **(1×10=10)**

- Q1. What is the site of photosynthesis in green plants?
- Q2. Name the hardest substance in our body.
- Q3. Name the temperature scale on which laboratory thermometer is based.
- Q4. What kind of change is curdling of milk?
- Q5. Name the quantity measured by a speedometer?
- Q6. What is the top layer of crowns of all tall trees called?
- Q7. Which solid waste should not be disposed off through toilet flush?
- Q8. Name the process in which absorbed nutrients are incorporated into cell components?
- Q9. Name one non - SI unit of heat.
- Q10. What kind of motion is shown by Earth moving around the Sun?

**Section - B**

II) **Give short answers :** **(10×2=20)**

- Q1. To test presence of starch, leaf is boiled, why?
- Q2. Name the type of nutrition in following plants:  
a) Bread mould      b) Venus flytrap
- Q3. Write two suggestions for proper care of teeth and gums.
- Q4. Why are the ventilators provided near ceiling of rooms?
- Q5. What is crystallisation? Why type of change is it?
- Q6. A bottle containing a perfume is by mistake left open. After a few days, its volume was found to have reduced to half. Explain giving reason.
- Q7. Define the term time period of a simple pendulum.
- Q8. Why are the forests called green lungs of nature.
- Q9. What is forest floor? How does it appear?
- Q10. Name four diseases that can be caused by an improper drainage system.

## III) Answer the following:

Q1. How do plants get raw material from surrounding for photosynthesis?

Q2. What kind of relationship exists between rhizobium bacteria and leguminous plant?

Q3. Which food will take longer to get digested - glucose or beans? Why?

Q4. Describe a clinical thermometer.

Q5. Why is a room - heater placed near the floor and an air-conditioner near the ceiling?

Q6. A girl takes 15 minutes from her house to reach her school on her cycle. If the speed of cycle is 2 m/s, calculate distance between house and school.

Q7. What is meant by uniform and non-uniform motion?

Q8. How do humans depend on plants/ trees? Give three points.

Q9. What is sewage? Why is it harmful to discharge untreated sewage into rivers and lakes?

Q10. The untreated human excreta is a health hazard. How?

## Section - D

## IV) Multiple Choice Questions:

(4×1=4)

Q1. What is the role of small pores on under surface of leaves in the process of photosynthesis?

- They trap sunlight
- They prepare food
- They absorb water
- They let carbon dioxide

Q2. The temperature scale that has lower fixed point at  $0^{\circ}\text{C}$  and upper fixed point at  $100^{\circ}\text{C}$  is called.

- Kelvin scale
- Celsius scale
- Absolute scale
- Fahrenheit scale

Q3. Which of the following is an example of rolling motion?

- Heart - beat in a healthy person
- The movement of a drill
- Motion of a spinning top
- Motion of an ant

Q4. Plantation of saplings on a large scale is celebrated as

- Forestation day
- vanamahotsava
- deforestation day
- Plantation day

## V)

## Fill in the blanks :

(3×1=3)

- \_\_\_\_\_ are a group of plants having a composite thallus consisting of an alga and a fungus.
- \_\_\_\_\_ currents are produced when liquids and gases are heated.
- Dirty water containing human excreta and garbage is called \_\_\_\_.

## VI)

## State True or False:

(2×1=2)

- All medicinal compounds are the products of trees and plants.
- Grit and sand settle down under the influence of gravity.

B-2

(1×1=1)

VII) **Assertion/ Reason:**

For following question, two statements are given - one labelled Assertion (A) and other labelled Reason (R). Select correct answer to the question from codes (a), (b), (c) and (d) as given below:

- a) Both Assertion and Reason are true and Reason is correct explanation of Assertion.
- b) Both Assertion and Reason are true but Reason is not correct explanation of Assertion.
- c) Assertion is true but Reason is false
- d) Assertion is false but Reason is true

**Assertion (A) :** Periodic events are used to measure time.

**Reason (R) :** Periodic motion is repeated by an object after a fixed interval.

VIII) Classify the following changes into physical and chemical changes

(5×1=5)

- a) Burning of agarbatti
- b) Melting of wax
- c) Tearing of cloth
- d) Growth of a tree
- e) Rusting of iron

X) **Diagram - Based question:**

(5×1=5)

- a) Label the parts (1), (2), (3), (4) and (5) in the following diagram

