

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

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 does 'photo' in photosynthesis mean?
- Q2. Which teeth help us in cutting the food?
- Q3. What is the temperature of the body of a normal healthy person?
- Q4. What kind of change is the ageing of living beings?
- Q5. Name the quantity measured by an odometer.
- Q6. Which part of forest helps in recharging of ground water?
- Q7. What does term WWTP mean?
- Q8. What is unabsorbed portion of food thrown out of our body called?
- Q9. Name the SI unit of heat.
- Q10. What kind of motion is shown by Earth moving about its own axis?

**Section - B**

II) Give short answers :

(10×2=20)

- Q1. Why are animals and humans called heterotrophs?
- Q2. Name the type of nutrition in following plants:  
a) Wheat      b) Algae
- Q3. What is the structure of stomach in ruminants?
- Q4. Write two differences between a laboratory thermometer and a clinical thermometer.
- Q5. Give two differences between physical and chemical changes.
- Q6. What happens when baking soda reacts with vinegar?
- Q7. Define the term amplitude of a simple pendulum.
- Q8. Mention two consequences of deforestation.
- Q9. Which organism in a food web will be affected if all plants are removed? Why?
- Q10. Some children while going on school picnic throw empty chips packets into nearby drain. Do you think it was a proper waste disposal method? What should they do?

A-1



Section - C

(3×10=30)

III) Answer the following:

- Q1. Differentiate between nutrients and nutrition. Name any one nutrient plants synthesise.
- Q2. Define photosynthesis. Name and describe two factors affecting photosynthesis.
- Q3. How do grass-eating animals digest cellulose?
- Q4. What are the good conductors and non-conductors of heat? Give 2 examples of each.
- Q5. Why do woolen clothes keep us warm when it is cold outside?
- Q6. A car travels 88 kilometre distance in 1.5 hour. Calculate its speed.
- Q7. Define average speed. What are its units? How can it be measured?
- Q8. How are trees classified on the basis of their life span?
- Q9. How are sewer, sewerage and sewage interlinked?
- Q10. Why should oil and ghee not be disposed off in an open drain? How should be they disposed off?

Section - D

IV) Multiple Choice Questions:

(4×1=4)

- Q1. An insectivorous plant is similar to a parasitic plant with respect to their  
a) mode of nutrition      b) habitat  
c) mode of reproduction      d) pattern of growth
- Q2. A device which prevent loss/gain of heat by any mode of heat transfer is  
a) thermometer      b) thermal blanket      c) thermos flask      d) all of them
- Q3. Which of the following formulae is correct?  
a) Speed = Distance × time  
b) Speed =  $\frac{1}{\text{Distance} \times \text{Time}}$   
c) Speed =  $\frac{\text{Distance}}{\text{Time}}$   
d) Speed =  $\frac{\text{Distance}}{\text{Distance}}$
- Q4. Which of the following is not a forest product?  
a) Plywood      b) Sealing wax      c) Kerosene      d) Gum

V) Fill in the blanks :

(3×1=3)

- 1) Human beings are \_\_\_\_\_
- 2) We receive heat from the sun by \_\_\_\_\_ mode of heat transfer.
- 3) During aeration of clarified water \_\_\_\_\_ bacteria grow.

VI) State True or False:

(2×1=2)

- 1) Large scale cutting of forest trees leads to fall <sup>in</sup> water table.
- 2) Chlorine is used to sterilise the clean water.

A-1



VII) Assertion/ Reason:

(1×1=1)

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) :** The distance covered by an object in unit time is called its speed.

**Reason (R) :** Speed always remains constant.

VIII) Classify the following changes into physical and chemical changes

(5×1=5)

- a) Burning of paper
- b) Cooking of food
- c) Making of ice - cream from milk
- d) Weathering of a rock
- e) Changing of chalk - stick to chalk powder.

IX) Diagram - Based question:

(5×1=5)

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

Set - H

