

**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 =  $\frac{1}{Distance \times Time}$   
c) Speed =  $\frac{Time}{Distance}$   
d) Speed =  $\frac{Distance}{Time}$

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:** $(1 \times 1 = 1)$ 

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** $(5 \times 1 = 5)$ 

- 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:** $(5 \times 1 = 5)$ 

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

Set - H

