

**BUDHA DAL PUBLIC SCHOOL PATIALA**  
**First Term Examination (1 September 2025)**

CLASS - VI  
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 - I (10 marks)**

**Q1. Answer the following in one word :**

(10×1=10)

1. Name the source of animal protein.
2. Deficiency of which mineral causes goitre?
3. Name one non-magnetic material.
4. Name a gas that dissolves in water.
5. Which method is used for separating small pieces of stones from foodgrains?
6. In which of the separation methods we use strainer?
7. Name a plant that does not need light to germinate.
8. Where does respiration in plants occur?
9. Give one example of igneous rocks.
10. Which gas is present in the largest fraction in air?

**Section - II (20 marks)**

**Q2. Answer the following questions briefly :**

(2×10=20)

1. Write any two functions of water in our body.
2. Why is dal-rice combination considered a healthy meal?
3. "All lustrous materials are not metals." Explain.
4. Write any two differences between transparent materials and opaque materials.
5. Define:  
a) Homogeneous mixture      b) Decantation
6. What are the white patches on the dark coloured clothes you wear during summer? How are these patches formed?
7. Will seeds germinate in a pot where excess water is provided? Why or why not?
8. Define: a) geotropism      b) respiration
9. There is a large variety of trees and plants in a forest. How does it help the animals in that area?
10. Write any two causes of deforestation.

Section - III (30 marks)

(3×10=30)

Q3. Answer the following questions in detail :

1. Explain two ways in which human activities pollute the air. What steps can you take to reduce air pollution?
2. a) Define stimulus.  
b) Which stimulus is responsible for the leaves of mimosa plant to fold when touched?  
c) What is the stimulus in phototropism?
3. Common salt is obtained from lake/ sea water. Name the process involved in this method and also define it.
4. a) Name two materials which are good conductors of electricity.  
b) Can we use wires or cables made of plastic, jute or any other material for transmitting electricity? Why?
5. Reshma had trouble seeing things in dim light. The doctor tested her eyesight and prescribed a particular vitamin supplement.  
He also advised her to include a few food items in her diet.  
a) Which deficiency disease is she suffering from?  
b) Which food component may be lacking in her diet?  
c) Suggest some food items that she should include in her diet.
6. Name the method that will be used to separate the following :  
a) separating potato wafers and biscuits  
b) separating removed skin or roasted peanuts  
c) chalk powder mixed with water.
7. Which of the following materials will float and sink based on their density  
Pencil, coin, iron nails, oil, sponge and rubber gloves
8. a) Name a simple carbohydrate.  
b) How can you test the presence of starch in a given food sample?
9. a) What is soil erosion?  
b) How can soil be conserved?  
c) Which type of soil can hold water but can't trap air?
10. a) Name the method used to separate a mixture of iron fillings and sulphur powder.  
b) The method of \_\_\_\_\_ (filtration/ sieving) can be used to remove \_\_\_\_\_ (undissolved/ dissolved) impurities.

Section - IV (20 marks)

Q5. Multiple Choice Questions

(1×1=1)

1. Assertion (A) : Solids are hard to compress.

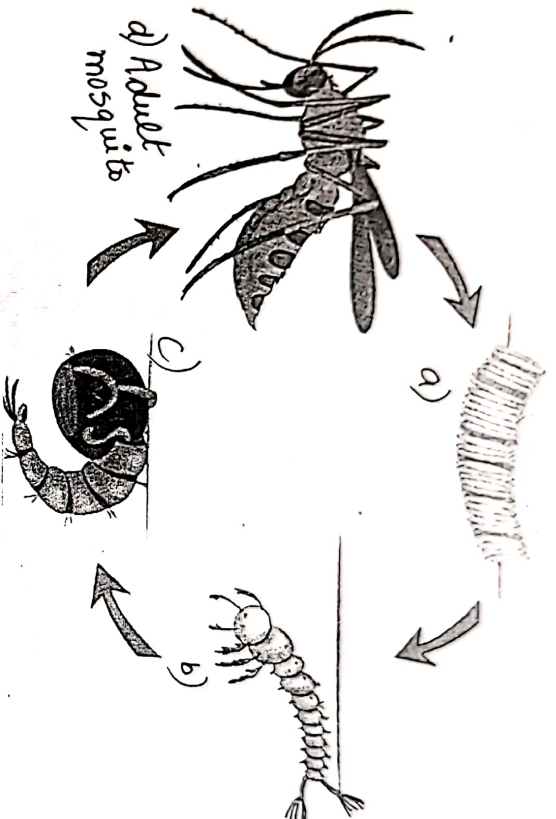
Reason (R) : Particles of a solid are closely packed.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true and R is false
- d) A is false but R is true

A-2



- a) Label the parts a, b, c (3)  
 b) Why is Kerosene oil sprayed over stagnant water? (1)  
 c) Name 2 diseases transmitted by female mosquito (1)



(5×1=5)

3. Match the Following:

Column I	Column II
1. Rickets	a) Solar cooker
2. Coal	b) Iron
3. Gold	c) Fossil fuel
4. Solar energy	d) Calcium
5. Anaemia	e) Lustrous

(5×1=5)

4. Answer the following:

- a) \_\_\_\_\_ resources are exhaustible.  
 b) \_\_\_\_\_ is necessary for continuity of life.  
 c) The electric wires are made from \_\_\_\_\_.  
 d) \_\_\_\_\_ on the surface of leaves help plants to respire.  
 e) Grouping of similar things together is called \_\_\_\_\_.

(2×1=2)

5. State whether True or False:

- a) Gases are good conductors of heat.  
 b) Vitamin C is soluble in water.

(2×1=2)

6. Multiple Choice based questions:

1. Which of the following is called body building food?  
 a) Proteins b) Vitamins c) Sugars d) Fats  
 2. Which of the following soils is best suited to grow cotton in India?  
 a) Black soil b) Desert soil c) Red soil d) Alluvial soil