



# B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



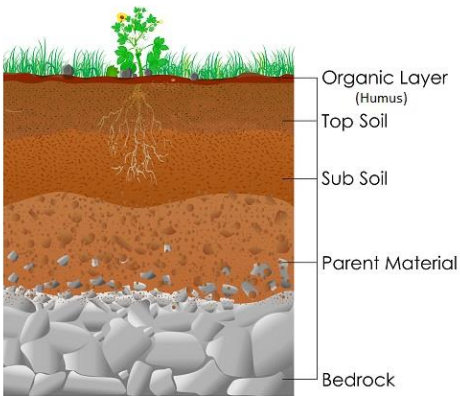
## POST MIDTERM - (2025-26) SCIENCE

**Class: IV**  
**Date: 09/01/'26**  
**Admission no:**

**Time: 1hour**  
**Max Marks: 25**  
**Roll no:**

### MARKNG SCHEME.

- |                                                                                                                                                                                                                                                                                |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1. (b) weathering                                                                                                                                                                                                                                                              | 1   |
| 2. (d) Boiling                                                                                                                                                                                                                                                                 | 1   |
| 3. (b) water vapour                                                                                                                                                                                                                                                            | 1   |
| 4. The main components of soil are mineral particles, organic matter, water, and air                                                                                                                                                                                           | 1+1 |
| 5. The two main types of water impurities are Insoluble (or Suspended) Impurities, like sand and dirt that you can see and filter out, and Soluble Impurities, like salt and sugar that dissolve and disappear but are still in the water, plus tiny germs that make you sick. | 1+1 |
| 6. The two main factors are the object's density (how heavy it is for its size) and the liquid's density; if an object is less dense than water, it floats (like wood), but if it's denser, it sinks (like a rock).                                                            | 1+1 |
| 7. Two simple ways to save wildlife are planting trees to create homes (habitats) and not harming animals or polluting their environment, which means not hunting/poaching, not caging birds, and keeping land/water clean.                                                    | 1+1 |
| 8. Deforestation is cutting down lots of trees for farms, cities, or wood, which hurts animals and the planet. To stop it, we must plant many new trees, use less paper and wood, recycle, teach everyone how important forests are, and support laws that protect them.       | 1+1 |
| 9. A vertical cross-section of the soil, revealing distinct layers called horizons from the surface down to the parent rock                                                                                                                                                    |     |



1+1+1

10. You can conserve soil by planting more trees (Afforestation) to hold soil with roots, using Terrace Farming on hills to slow water, and rotating crops to keep the soil healthy and full of nutrients

1+1+1

11. Blowing up a balloon perfectly shows air pressure: as you force air (gas molecules) in, they constantly hit the inside walls, pushing outwards in all directions, causing the flexible balloon to stretch and expand

1+1+1

12. Land pollution is when harmful things (pollutants) get into the soil, making it dirty and unhealthy for plants, animals, and people, often from littering, industrial waste, or too many chemicals in farming, with two simple ways it happens being throwing garbage everywhere and using too many chemical fertilizers/pesticides

1+1+1

\*\*\*\*\*ALL THE BEST\*\*\*\*\*