



## LAB ACTIVITIES OF SCIENCE (2024-25)

### IX

Month	Practical/Activity to be conducted
April	<ol style="list-style-type: none"><li>To prepare,<ol style="list-style-type: none"><li>a true solution of common salt, sugar and alum.</li><li>a suspension of soil, chalk powder and fine sand in water.</li><li>a mixture.</li><li>a compound using iron filings and sulphur powder.</li></ol></li><li>To distinguish between the solutions based on,<ol style="list-style-type: none"><li>appearance, i.e., homogeneity and heterogeneity.</li><li>behaviour towards carbon disulphide as a solvent.</li><li>effect of heat.</li></ol></li></ol>
May	<ol style="list-style-type: none"><li>To perform the following reactions and classify them as physical change or chemical change.<ol style="list-style-type: none"><li>Iron with copper sulphate solution in water.</li><li>Burning of magnesium ribbon in the air.</li><li>Zinc with dilute sulphuric acid.</li><li>Heating of copper sulphate crystals.</li><li>Sodium sulphate with barium chloride in the form of their solutions in water.</li></ol></li></ol>
July	<ol style="list-style-type: none"><li>To prepare stained temporary mounts of,<ol style="list-style-type: none"><li>onion peel</li><li>human cheek cells</li></ol>and record observations and draw labelled diagrams.</li></ol>
August	<ol style="list-style-type: none"><li>To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.</li><li>To establish the relation between the loss in weight of a solid when fully immersed in,<ol style="list-style-type: none"><li>tap water.</li><li>strong salty water with the weight of water displaced by it by taking at least two different solids.</li></ol></li></ol>
October	<ol style="list-style-type: none"><li>To identify parenchyma, collenchyma and sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams.</li></ol>
November	<ol style="list-style-type: none"><li>To verify Newton's Law of Motion.</li></ol>
December	<ol style="list-style-type: none"><li>To verify Laws of Reflection of Sound.</li></ol>
January	<ol style="list-style-type: none"><li>To verify the Laws of Reflection of Waves.</li><li>To prepare stained temporary mounts of,<ol style="list-style-type: none"><li>onion peel</li><li>human cheek cells (Revision.)</li></ol>and record observations and draw labelled diagrams.</li><li>To perform the following reactions and classify them as physical change or chemical change.<ol style="list-style-type: none"><li>Burning of magnesium ribbon in air.</li><li>Zinc with dilute sulphuric acid. (Revision.)</li></ol></li></ol>