**MODERN SCHOOL**

**CLASS- X SCIENCE (BIOLOGY) (2025-2026)**

**Book prescribed: NCERT**

**Month-wise Syllabus**

| **MONTH** | **CHAPTER NUMBER** | **CHAPTER NAME** |
| --- | --- | --- |
| **MARCH** | CH-5 | LIFE- PROCESSES (TO BE CONTINUED) |
| **APRIL** | CH-5 | LIFE- PROCESSES |
| **MAY** | CH-7 | HOW DO ORGANISMS REPRODUCE ? (TO BE CONTINUED) |
| **JULY** | CH-7 | HOW DO ORGANISMS REPRODUCE ? |
| **JULY** | CH-6 | CONTROL AND COORDINATION(TO BE CONTINUED) |
| **AUGUST** | CH-6 | CONTROL AND COORDINATION |
| **SEPTEMBER** |  | **HALF YEARLY EXAM** |
| **OCTOBER** | CH-8 | HEREDITY |
| **NOVEMBER** | CH- 13 | OUR ENVIRONMENT |
| **DECEMBER** |  | **PREBOARD 1** |
| **JANUARY** |  | **PREBOARD 2** |

**PRACTICALS :**

| **S. No.** | **MONTH** | **PRACTICAL** |
| --- | --- | --- |
| 1 | **APRIL** | Experimentally show that carbon dioxide Is given out during respiration. |
| 2 | **APRIL** | Preparing a temporary mount of a leaf peel to show stomata. |
| 3 | **JULY** | Studying binary fission in amoeba , budding in yeast and hydra with the help of prepared slides. |
| 4 | **AUGUST** | Identification of the different parts of an embryo of a dicot seed (Pea,gram or red kidney bean) |

| **TERM1** | **MAY** | **CH- 5 LIFE- PROCESSES( NUTRITION AND RESPIRATION)** |
| --- | --- | --- |
| **TERM 2** | **JULY** | **CH- 5 LIFE- PROCESSES( TRANSPORTATION AND EXCRETION) ,**  **CH- 7 HOW DO ORGANISMS REPRODUCE? ( TILL VEGETATIVE PROPAGATION)** |
| **TERM 3** | **AUGUST** | **CH- 7HOW DO ORGANISMS REPRODUCE?( SEXUAL REPRODUCTION IN PLANTS AND HUMAN BEINGS)** |
| **HALF YEARLY** | **SEPTEMBER** | **CH-5 LIFE- PROCESSES**  **CH- 7 HOW DO ORGANISMS REPRODUCE?**  **CH- 6 CONTROL AND CO-ORDINATION** |
| **PRE BOARD 1** | **NOVEMBER** | **CH-5 LIFE- PROCESSES**  **CH-7 HOW DO ORGANISMS REPRODUCE?**  **CH-6 CONTROL AND CO-ORDINATION**  **CH-8 HEREDITY**  **CH- 13 ENVIRONMENT** |
| **PRE BOARD 2** | **DECEMBER** | **CH-5 LIFE- PROCESSES**  **CH-7 HOW DO ORGANISMS REPRODUCE?**  **CH-6 CONTROL AND CO-ORDINATION**  **CH-8 HEREDITY**  **CH- 13 ENVIRONMENT** |

**MODERN SCHOOL**

**CLASS- X SCIENCE (PHYSICS) (2025-2026)**

**Book prescribed: NCERT**

| **Month** | **Chapter’s No.** | **CHAPTER’S NAME** |
| --- | --- | --- |
| **MARCH** | CH 9 | Light - Reflection and Refraction (Up to Reflection) |
| **APRIL** | CH 9 | Light - Reflection and Refraction continued  (Refraction of light onwards) |
| **MAY** | CH 9 | Light - Reflection and Refraction (continued) |
| **JULY** | CH 10 | Human eye and colorful world |
| **AUGUST** | CH 11 | Electricity |
| **SEPTEMBER** |  | **HALF YEARLY EXAMINATION** |
| **OCTOBER** | CH 12 | Magnetic effect of current |
| **NOVEMBER** |  | **PREBOARD - 1** |
| **DECEMBER** |  | **PREBOARD – 2** |

| **TERM1** | **MAY** | **REFLECTION OF LIGHT** |
| --- | --- | --- |
| **TERM 2** | **JULY** | **REFRACTION OF LIGHT** |
| **TERM 3** | **AUGUST** | **Human eye and colorful world** |
| **HALF YEARLY** | **SEPTEMBER** | **LIGHT**  **Human eye and colorful world**  **Electricity** |
| **PRE BOARD 1** | **NOVEMBER** | **LIGHT**  **Human eye and colorful world**  **Electricity**  **Magnetic effect of current** |
| **PRE BOARD 2** | **DECEMBER** | **LIGHT**  **Human eye and colorful world**  **Electricity**  **Magnetic effect of current** |

**PRACTICALS:**

| **S. No.** | **MONTH** | PRACTICAL |
| --- | --- | --- |
| 1 | **APRIL** | Determining the focal length of 1) concave mirror 2) convex lens by obtaining the image of a distant object . |
| 2 | **MAY** | Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. |
| 3 | **MAY** | Tracing the path of rays of light through a glass prism . |
| 4 | **AUGUST** | Studying the dependence of potential difference ( V ) across a resistor on a current ( I ) passing through it and determining its resistance. Also plotting a graph between V and I |
| 5 | **AUGUST** | Determination of equivalent resistance of two resistors when connected in series and parallel. |

**MODERN SCHOOL**

**CLASS – X,SUBJECT- CHEMISTRY(2025-26)**

Book prescribed: NCERT

**Month-wise Syllabus**

| **Month** | **Chapter No.** | **CHAPTER’S NAME** |
| --- | --- | --- |
| **MARCH** | 1 | Chemical reactions and equations (TO BE CONTINUED) | |
| **APRIL** | 1 | Chemical reactions and equations. |
| **MAY** | 2 | Acids, Bases and salts |
| **JULY** | 3 | Metals and Non metals upto non metals (TO BE CONTINUED) |
| **AUGUST** | 3  4 | Metals and Non metals  Carbon and its compounds upto homologous series (TO BE CONTINUED) |
| **SEPTEMBER** |  | Revision and Half yearly Exam |
| **OCTOBER** | 4 | Carbon and its compounds |
| **NOVEMBER** |  | REVISION and PreBoard 1 |
| **DECEMBER** |  | **PREBOARD 2** |

| **TERM1** | **MAY** | **CHEMICAL REACTIONS AND EQUATIONS** |
| --- | --- | --- |
| **TERM 2** | **JULY** | **ACIDS,BASES AND SALTS** |
| **TERM 3** | **AUGUST** | **METALS AND NON-METALS** |
| **HALF YEARLY** | **SEPTEMBER** | **1.CHEMICAL REACTIONS AND EQUATIONS**  **2. ACIDS,BASES AND SALTS**  **3. METAL AND NON-METALS**  **4.CARBON AND ITS COMPOUNDS (Upto Homologous series)** |
| **PRE BOARD 1** | **NOVEMBER** | **Complete syllabus** |
| **PRE BOARD 2** | **DECEMBER** | **Complete syllabus** |

**LIST OF EXPERIMENTS**

| **S. No.** | **MONTH** | PRACTICAL |
| --- | --- | --- |
| 1 | **APRIL** | Performing and observing the following reactions and classifying them into:  A. Combination reaction  B. Decomposition reaction  C. Displacement reaction  D. Double displacement reaction  (i) Action of water on quicklime  (ii) Action of heat on ferrous sulphate crystals  (iii) Iron nails kept in copper sulphate solution  (iv) Reaction between sodium sulphate and barium chloride  Solutions |
| 2 | **MAY** | Finding the pH of the following samples by using pH paper/universal indicator:  (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrogen Carbonate solution |
| 3 | **MAY** | Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:  a) Litmus solution (Blue/Red) b) Zinc metal  c) Solid sodium carbonate |
| 4 | **JULY** | **A.** Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:  (i) ZnSO4(aq) (ii) FeSO4(aq) (iii)CuSO4(aq)  (iv)Al2 (SO4)3(aq)  **B.** Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result. |
| 5 | **OCTOBER** | Study of the following properties of acetic acid (ethanoic acid):  i) Odour ii) solubility in water iii) effect on litmus iv) reaction with Sodium Hydrogen Carbonate |
| 6 | **OCTOBER** | Study of the comparative cleaning capacity of a sample of soap in soft and hard water. |

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