



| ANNUAL CURRICULUM (2026-2027) |                                 |   |                        |            |           |                |
|-------------------------------|---------------------------------|---|------------------------|------------|-----------|----------------|
| Class : XII                   | Subject: CHEMISTRY              | Subject Teacher (Prepared By): MONIKA CHOPRA  | Designation : PGT CHEM |            |           |                |
| Academic Book                 | Chapter Name                    | Chapter Topic / Sub Topic   | Term I/II              | Start Date | End Date  | No. of Periods |
| Book-1 NCERT                  | Ch-1 Solutions                  | Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law  | I                      | 01-Apr-26  | 8-Apr-26  | 6              |
|                               |                                 | colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure   |                        | 9-Apr-26   | 18-Apr-26 | 7              |
|                               |                                 | determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.   |                        |            |           |                |
|                               |                                 | NCERT exercise  |                        |            |           |                |
| Book-1 NCERT                  | Ch - 2 Electrochemistry         | Redox reactions, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells   | I                      | 20-Apr-26  | 30-Apr-26 | 9              |
|                               |                                 | Relation between Gibbs energy change and EMF of a cell, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea) |                        | 1-May-26   | 7-May-26  | 5              |
|                               |                                 | dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.  |                        |            |           |                |
|                               |                                 | NCERT exercise  |                        |            |           |                |
| Book-1 NCERT                  | Ch-3 Chemical Kinetics          | Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction  | I                      | 8-May-26   | 18-May-26 | 7              |
|                               |                                 | rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions)  |                        | 01-Jul-26  | 06-Jul-26 | 5              |
|                               |                                 | concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.  |                        |            |           |                |
|                               |                                 | NCERT exercise  |                        |            |           |                |
| Book-2 NCERT                  | Ch-6 Haloalkanes and haloarenes | RX: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions.   | I                      | 07-Jul-26  | 14-Jul-26 | 6              |
|                               |                                 | ArX: Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).   |                        | 15-Jul-26  | 20-Jul-26 | 5              |
|                               |                                 | Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.   |                        |            |           |                |

|               |   |  |    |           |           |   |
|---------------|---|--|----|-----------|-----------|---|
|               |   | NCERT exercise   |    |           |           |   |
| Book-2 NCERT  | Ch-7 Alcohols, phenols and ethers           | Nomenclature, methods of preparation, physical and chemical properties, uses of ROH(alcohols), ArOH (Phenols)  | I  | 21-Jul-26 | 31-Jul-26 | 9 |
|               |   | Nomenclature, methods of preparation, physical and chemical properties, uses ROR (ethers)  |    | 1-Aug-26  | 7-Aug-26  | 6 |
|               |   | NCERT exercise   |    |           |           |   |
| Book-2 NCERT  | Ch-8 Aldehydes ketones and carboxylic acids | Nomenclature, preparation and properties of Aldehydes and ketones  | II | 10-Aug-26 | 18-Aug-26 | 7 |
|               |   | Nomenclature, preparation and properties of carboxylic acids   |    | 19-Aug-26 | 31-Aug-26 | 7 |
|               |   | NCERT Exercises  |    | 1-Sep-26  | 5-Sep-26  | 4 |
|               |   | <b>REVISION<br/>(HALF YEARLY EXAMINATION)</b>  |    | 7-Sep-26  | 10-Sep-26 | 4 |
| Book -2 NCERT | Ch-9 Amines                                 | Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. | II | 28-Sep-26 | 30-Sep-26 | 3 |
|               |   | Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.  |    | 01-Oct-26 | 13-Oct-26 | 8 |
|               |   | NCERT Exercise   |    | 17-Oct-26 | 22-Oct-26 | 3 |
| Book-1 NCERT  | Ch-4 d and f block elements                 | transition elements and characteristics and properties of $\text{KMnO}_4/\text{K}_2\text{Cr}_2\text{O}_7$  | II | 23-Oct-26 | 30-Oct-26 | 4 |
|               |   | NCERT Exercise   |    | 2-Nov-26  | 4-Nov-26  | 3 |
| Book-1 NCERT  | Ch-5 Co-ordination compounds                | IUPAC and isomerism, and VBT, CFT and Organometallic   | II | 5-Nov-26  | 18-Nov-26 | 8 |
| Book-2 NCERT  | Ch- 10 Biomolecules                         | Carbohydrates. Proteins, Enzymes, Vitamins Nucleic Acids, Hormones   | II | 19-Nov-26 | 30-Nov-26 | 7 |
|               |   | <b>REVISION FOR PRE- BOARDS</b>  |    |           |           |   |
|               |   | <b>Prepared By : Monika Chopra</b> <b>Sign</b> _____   |    |           |           |   |
|               |   | <b>Subject Co-ordinator : Menka Garg</b> <b>Sign</b> _____   |    |           |           |   |



# N. C. JINDAL PUBLIC SCHOOL

ROAD NO.-73, PUNJABI BAGH(W), NEW DELHI-110026

Periodic Test/Half Yearly/Annual Marking Scheme : 2026-2027

| Class : | XII                      | Subject : CHEMISTRY                     |            |
|---------|--------------------------|---|------------|
| S.No.   | PT/Half Yearly/Pre Board | Chapter / Topic                         | Max. Marks |
| 1       | PT -1                    | SOLUTIONS                               | 15         |
|         |                          | ELECTROCHEMISTRY (upto NERNST equation) | 5          |
|         |                          | <b>TOTAL</b>                            | <b>20</b>  |
| 2       | PT-2                     | HALOALKANES AND HALOARENES              | 10         |
|         |                          | KINETICS                                | 10         |
|         |                          | <b>TOTAL</b>                            | <b>20</b>  |
| 3       | HALF-YEARLY              | SOLUTIONS                               | 14         |
|         |                          | ELECTROCHEMISTRY                        | 14         |
|         |                          | HALOALKANES AND HALOARENES              | 14         |
|         |                          | KINETICS                                | 14         |
|         |                          | ALCOHOLS,PHENOLS AND ETHERS             | 14         |
|         |                          | <b>TOTAL</b>                            | <b>70</b>  |
| 4       | PT-3                     | ALDEHYDES,KETONESAND CARBOXYLIC ACIDS   | 10         |
|         |                          | AMINES                                  | 10         |
|         |                          | <b>TOTAL</b>                            | <b>20</b>  |
| 5       | Pre- Board Exam          | SOLUTIONS                               | 7          |
|         |                          | ELECTROCHEMISTRY                        | 9          |
|         |                          | KINETICS                                | 7          |
|         |                          | D AND F BLOCK CHEMISTRY                 | 7          |
|         |                          | CO-ORDINATION CHEMISTRY                 | 7          |
|         |                          | HALOALKANES AND HALOARENES              | 6          |
|         |                          | ALCOHOLS,PHENOLS AND ETHERS             | 6          |
|         |                          | ALDEHYDES,KETONES AND CARBOXYLIC ACIDS  | 8          |
|         |                          | AMINES                                  | 6          |
|         |                          | BIOMOLECULES                            | 7          |
|         |                          | <b>TOTAL</b>                            | <b>70</b>  |