

# Class: 12<sup>th</sup> (Science) – Syllabus 2024-2025

| Subj.       | UT – I                                                                                                       | Evaluation – I                                                                                                                                                                                                                                                          | Pre-Board 1                                                                                                                                                                                                                                                                                                                                   | Pre-Board 2   |
|-------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| English     | Eng. Lit.: Prism - Story 11<br>Rhapsody - Poem 11<br>Macbeth - Act III (Scene 1& 2),<br>Grammar : Unit 1 & 2 | Lit. : Prism - Story 12 & 13<br>Rhapsody - Poem 12 & 13<br>Macbeth - Act III( All 6<br>Scenes) + UT-I Syllabus,<br>Grammar : Unit 3,4,5,6,7 and 8+<br>Lit. : Prism - Story 14,<br>Poetry 14,<br>Macbeth - Act IV<br>(Scene 1& 2)<br>Grammar: Unit 9,10<br>UT-I Syllabus | Lit.: Prism - Story 15 +previous stories<br>Poetry -15 + previous chapter<br>Previous poems.<br>Macbeth - Act IV (Scene 3),<br>Act V (Scene 1 to 9)<br>including all scenes from<br>Act 3 and 4<br>Grammar: Unit 11,12,13,14 & 15 +Previous<br>units                                                                                          | Full Syllabus |
| Mathematics | Ch-1 relations and functions<br>Ch-2 inverse trigonometric<br>functions                                      | Ch-3 matrices<br>Ch-4 determinants<br>Ch-5 continuity and differentiability<br>Ch-6 indeterminate forms<br>Ch-7 applications of derivatives<br>+UT 1 Syllabus                                                                                                           | Ch-8 Integrals<br>Ch-9 differential equations<br>+ Previous Chapter                                                                                                                                                                                                                                                                           | Full syllabus |
| Biology     | Chapter 1: Sexual Reproduction in<br>flowering plants<br>Chapter 6: Molecular Basis on<br>inheritance        | Chapter 3: Human reproduction<br>Chapter 4: Reproductive health<br>Chapter 5: Principles of<br>inheritance and variation<br>Chapter 7: Origin of life<br>Chapter 8: Evolution<br>Chapter 9: Evolution of man +<br>previous Unit                                         | Chapter 10: Human Health and disease<br>Chapter 12: Microbes in human<br>welfare<br>Chapter 13: Biotechnology and<br>Principles and process<br>Chapter 14: Biotechnology and it's<br>Applications<br>Chapter 15: Organism and population<br>Chapter 16: Ecosystem<br>Chapter 17: Biodiversity and it's<br>conservation<br>+ All previous unit | All Syllabus  |

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| Physics   | CH-1-Electric charges and fields.<br>CH-2-Gauss's Theorem<br>CH-3-Electric potential and potential energy .<br>CH-4-Capacitors and dielectrics<br>CH-5 Electric current and ohm's law.<br>CH-6-D.C.Circuits and Measurements.                    | CH-7-Moving charges and Magnetism.<br>CH-8-Torque on a current carrying loop-Moving coil Galvanometer.<br>CH-9-Magnetic Field and Earth's Magnetism.<br>CH-10-Magnetic Properties of Matter.<br>CH-11-Electromagnetic induction.<br>CH-12-Alternating current<br>CH-13-Electromagnetic waves<br>CH-14-Spherical mirrors<br>CH-15-Refraction of light at a plane interface.<br>CH-16-Refraction of light at spherical surfaces: Lens<br>Syllabus of half yearly exam-Ch 1 to 16. | CH-17-Refraction and dispersion of light through a prism.<br>CH-18-optical instruments.<br>CH-19-wave nature of light<br>CH-20-interference of light<br>CH-21-Diffraction of light<br>CH-22-Polarisation of light.<br>CH-23-Photoelectric effect<br>CH-24-Matter waves<br>CH-25-X-rays<br>CH-26-Structure of atoms and origin of spectra : Bohr's theory of hydrogen atom.<br>CH-27-structure of nucleus<br>CH-28-Radioactivity<br>CH-29-Nuclear energy.<br>CH-30-Semiconductor electronics<br>CH-31-Logic gates<br>CH-32-Communication system. | Full Syllabus |
| Chemistry | 1) Co-ordination compounds<br>2) d-block elements                                                                                                                                                                                                | 3) f-block + solutions<br>4) Electrochemistry<br>5) Chemical Kinetics<br>6) Haloalkanes and Haloarenes<br>7) Alcohol and Phenal Ether                                                                                                                                                                                                                                                                                                                                           | 8) Aldehyde, Ketone, Corboxylic Acid<br>9) Biomolecules<br>10) Nitrogen Contain Organic Compound<br>Whole Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                              | Full Syllabus |
| Computer  | Chapter-1 : Boolean Algebra<br>Chapter-3 : Objects & Classes<br>Chapter 4 : Java revision tour<br>Chapter-5 : Primitive values, type casting & expression<br>Chapter-6 : Statements, control structure & scope<br>Chapter-7 : Functions/ methods | Chapter-1 : Boolean Algebra<br>Chapter-2 : Computer Hardware<br>Chapter-7 : Arrays & Strings<br>Chapter-9 : Compiling & Running Java<br>Chapter-10 : Java Classes<br>Chapter-11 : Recursion<br>Chapter- 12 : Concept of inheritance                                                                                                                                                                                                                                             | Chapter-13 : Simple Data<br>Chapter-14 : Recursive Data Structures<br>Chapter-15 : Computational Complexity<br>+ UT-I & Evaluation- I Syllabus                                                                                                                                                                                                                                                                                                                                                                                                  | Full Syllabus |

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| Physical Education | Chapter-1 -Sociological Aspects Of Physical Education<br>+Volleyball | Chapter-2 -Training Methods<br>Chapter-4- Competitions And Tournaments<br>Chapter-5-Health Education And Health Problems<br>+Kho Kho<br>+Yoga | Chapter-6- Sports Injuries And First Aid<br>Chapter-3-Career Aspects In Physical Education<br>+Handball<br>+Cricket, Football, Hockey, Basketball, Volleyball, Badminton, Tennis, Swimming, Athletics | Full Syllabus |
| SUPW               |                                                                      |                                                                                                                                               |                                                                                                                                                                                                       |               |