



MNEMONIC CONVENT SCHOOL

Affiliated to CBSE, New Delhi

SYLLABUS OF ANNUAL EXAMINATION (2024- 2025)

Class- XI (SCIENCE)

S.NO.	SUBJECT	<u>SYLLABUS</u>
1.	ENGLISH	<p>Section A</p> <ol style="list-style-type: none">1. Reading Comprehension through Unseen Passages2. Note Making and Summarization <p>Section B</p> <ol style="list-style-type: none">1. Questions on Gap filling (Tenses, Clauses)2. re-ordering/transformation of sentences,3. Short writing task – Classified Advertisements, Poster up to 50 words.4. Long Writing task: Speech in 120-150 words5. Long Writing Task: Debate based on visual/verbal inputs in 120-150 words <p>Section C</p> <p>Hornbill:</p> <ol style="list-style-type: none">1. Discovering Tut: The Saga Continues2. The Voice of the Rain3. Childhood4. The Adventure5. Silk Road6. Father to Son <p>Snapshot</p> <ol style="list-style-type: none">1. Mother’s Day (Play)2. Birth (Prose)3. The Tale of Melon City
2.	MATHS	<ol style="list-style-type: none">1. Sets2. Relations and Functions3. Trigonometric Functions4. Complex Numbers5. Linear Inequalities6. Permutations and Combinations7. Binomial Theorem8. Sequence and Series

		<p>9. Straight line 10. Conic Section 11. Three Dimensional Geometry 12. Limits and Derivatives 13. Statistics 14. Probability</p>
3.	BIOLOGY	<p>1. Chter 2-Biological classification 2. Chter 7-Structural organisation in animals 3. Chter 9-Biomolecules 4. Chter 10-Cell cycle and cell division 5. Chter 11-Photosynthesis in higher plants 6. Chter 12-Respiration in plants 7. Chter 13-Plant growth and development 8. Chter 15-Body fluids and circulation 9. Chter 18-Neural control and coordination 10. Chter 19-Chemical coordination and integration</p> <p>(MCQ's, assertion and Reason, very Short answer type questions, Short answer type questions, Long answer type questions, case based study questions, diagram based questions)</p>
4.	PHYSICS	<p>Ch- Motion in a Plane Ch- Work, Energy and Power Ch - System of particles and Rotational Motion Ch- Mechanical Properties of Solids Ch- Mechanical Properties of Fluids Ch- Thermal Properties of Matter Ch- Thermodynamics Ch- Kinetic Theory Ch- Oscillations Ch- Waves</p>
5.	CHEMISTRY	<p>UNIT I – Some Basic Concepts of Chemistry General Introduction</p> <p>UNIT II – Structure of Atom Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of</p>

		<p>orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals – Aufbau principle, Pauli’s exclusion principle and Hund’s rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.</p> <p>UNIT III – Classification of Elements and Periodicity in Properties</p> <p>UNIT IV – Chemical Bonding and Molecular Structure</p> <p>UNIT V – Chemical Thermodynamics</p> <p>UNIT VI – Equilibrium</p> <p>UNIT VII – Redox Reactions</p> <p>UNIT VIII – Organic Chemistry: Some basic Principles and Techniques</p> <p>UNIT IX – Hydrocarbons</p>
6.	COMPUTER SCIENCE	<ol style="list-style-type: none"> 1. Unit1-Computer system and organization 2. Unit2- computational thinking and programming -1 3. Unit3-society, law and ethics
7.	YOGA	<p>Unit ..2</p> <ol style="list-style-type: none"> 1. Introduction to yoga text <p>Unit...3</p> <ol style="list-style-type: none"> 2. yoga for health Promotion <p>All Question done in copy</p>
8.	PHYSICAL EDUCATION	<ol style="list-style-type: none"> 1. Changing Trends And Career in Physical Education 2. Olympic Value Education 3. Physical Fitness Wellness And Lifestyle 4. Physical education and sports for children with special need 5. Yoga 6. Test measurement and evaluation 7. Psychology and sports 8. Training and doping and sports 9. Physiology and kinesiology