

ACADEMIC YEAR - 2026-27
YEARLY SYLLABUS PLANNER - GRADE XI

MONTH	CHEMISTRY
<p align="center">APRIL</p>	<p align="center">Unit 1 Some Basic Concepts of Chemistry</p> <p align="center">1.1 Importance of Chemistry 1.2 Nature of Matter 1.3 Properties of Matter and their Measurement 1.4 Uncertainty in Measurement 1.5 Laws of Chemical Combinations 1.6 Dalton's Atomic Theory 1.7 Atomic and Molecular Masses 1.8 Mole Concept and Molar Masses 1.9 Percentage Composition 1.10 Stoichiometry and Stoichiometric Calculations</p> <p>Practical work A. Basic Laboratory Techniques 1. Cutting glass tube and glass rod 2. Bending a glass tube 3. Drawing out a glass jet 4. Boring a cork</p> <p align="center">PLA 1 Portion (22nd – 25th April May) Unit 1 Some Basic Concepts of Chemistry</p>
<p align="center">JUNE</p>	<p align="center">Unit 2 Structure of Atom</p> <p align="center">2.1 Discovery of Sub-atomic Particles 2.2 Atomic Models 2.3 Developments Leading to the Bohr's Model of Atom 2.4 Bohr's Model for Hydrogen Atom 2.5 Towards Quantum Mechanical Model of the Atom 2.6 Quantum Mechanical Model of Atom</p> <p>Practical work B. Characterisation and Purification of Chemical Substances I. Determination of melting point of an organic compound. 2. Determination of boiling point of an organic compound. 3. Crystallization of impure sample of any one of the following: Alum, Copper, Sulphate, Benzoic Acid.</p> <p align="center">PLA 2 Portion (18th -20th June/ 21st -23rd May) Unit 2 Structure of Atom</p>
<p align="center">JULY</p>	<p align="center">Unit 3 Classification of Elements and Periodicity in Properties</p> <p align="center">3.1 Why do we Need to Classify Elements ? 3.2 Genesis of Periodic Classification 3.3 Modern Periodic Law and the Present Form of the Periodic Table 3.4 Nomenclature of Elements with Atomic Numbers > 100 3.5 Electronic Configurations of Elements and the Periodic Table 3.6 Electronic Configurations and Types of Elements: s-, p-, d-, f- Blocks 3.7 Periodic Trends in Properties of Elements</p> <p>Practical work C. Experiments based on pH</p>

	<p>Any one of the following experiments:</p> <p>a. Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.</p> <p>Comparing the pH of solutions of strong and weak acids of same concentration. Study the pH change in the titration of a strong base using universal indicator.</p> <p>b. Study the pH change by common-ion in case of weak acids and weak bases.</p> <p style="text-align: center;">PERIODIC TEST-I (13th – 18th July) Unit 1 Some Basic Concepts of Chemistry Unit 2 Structure of Atom</p> <p style="text-align: center;">Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</p>
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AUGUST	<p style="text-align: center;">Unit 4 Chemical Bonding and Molecular Structure</p> <p style="text-align: center;">4.1 Kössel-Lewis Approach to Chemical Bonding 4.2 Ionic or Electrovalent Bond 4.3 Bond Parameters 4.4 The Valence Shell Electron Pair Repulsion (VSEPR) Theory 4.5 Valence Bond Theory 4.6 Hybridisation 4.7 Molecular Orbital Theory 4.8 Bonding in Some Homonuclear Diatomic Molecules 4.9 Hydrogen Bonding</p> <p>Practical work D. Chemical Equilibrium One of the following experiments: a) Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions. b) Study the shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ and chloride ions by changing the concentration of either of the ions.</p> <p style="text-align: center;"><u>PLA 3 Portion (12th -14th August)</u></p> <p style="text-align: center;">Unit 3 Classification of Elements and Periodicity in Properties Unit 4 Chemical Bonding and Molecular Structure</p>
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SEPTEMBER	<p style="text-align: center;">Unit-5 Chemical Thermodynamics</p> <p style="text-align: center;">5.1 Thermodynamic Terms 5.2 Applications 5.3 Measurement of ΔU and ΔH: Calorimetry</p> <p>Practical work E. Quantitative Estimation i. Using a mechanical balance/electronic balance. ii. Preparation of standard solution of Oxalic acid. iii. Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid. iv. Preparation of standard solution of Sodium carbonate. v. Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution.</p> <p style="text-align: center;">PT 2 / Term 1 (7th – 19th Sept)Portion: Unit 1 Some Basic Concepts of Chemistry</p>
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	<p style="text-align: center;">Unit 2 Structure of Atom Unit 3 Classification of Elements and Periodicity in Properties Unit 4 Chemical Bonding and Molecular Structure</p> <p style="text-align: center;">Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</p>
<p>OCTOBER</p>	<p style="text-align: center;">Unit-5 Chemical Thermodynamics 5.4 Enthalpy Change, $\Delta_r H$ of a Reaction – Reaction Enthalpy 5.5 Enthalpies for Different Types of Reactions 5.6 Spontaneity 5.7 Gibbs Energy Change and Equilibrium</p> <p style="text-align: center;">Unit 6: Equilibrium 6.1 Equilibrium in Physical Processes 6.2 Equilibrium in Chemical Processes – Dynamic Equilibrium 6.3 Law of Chemical Equilibrium and Equilibrium Constant 6.4 Homogeneous Equilibria 6.5 Heterogeneous Equilibria 6.6 Applications of Equilibrium Constants</p> <p>Practical work Qualitative Analysis a) Determination of one anion and one cation in a given salt Cations- Pb^{2+}, Cu^{2+}, As^{3+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Ni^{2+}, Zn^{2+}, Co^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+}, NH_4^+ Anions - CO_3^{2-}, S^{2-}, NO_2^-, SO_3^{2-}, SO_4^{2-}, NO_3^-, Cl^-, Br^-, I^-, PO_4^{3-}, CH_3COO^- (Note: Insoluble salts excluded) b) Detection of -Nitrogen, Sulphur, Chlorine in organic compounds. c) Scientific investigations involving laboratory testing and collecting information from other sources. A few suggested Projects Checking the bacterial contamination in drinking water by testing sulphide ion Study of the methods of purification of water</p>
<p>NOVEMBER</p>	<p style="text-align: center;">Unit 6: Equilibrium 6.7 Relationship between Equilibrium Constant K, Reaction Quotient Q and Gibbs Energy G 6.8 Factors Affecting Equilibria 6.9 Ionic Equilibrium in Solution 6.10 Acids, Bases and Salts 6.11 Ionization of Acids and Bases 6.12 Buffer Solutions 6.13 Solubility Equilibria of Sparingly Soluble Salts</p> <p style="text-align: center;">Unit 7 Redox Reactions 7.1 Classical Idea of Redox Reactions-Oxidation and Reduction Reactions 7.2 Redox Reactions in Terms of Electron Transfer Reactions 7.3 Oxidation Number 7.4 Redox Reactions and Electrode Processes</p> <p style="text-align: center;"><u>PLA 4 Portion (1st - 5th November)</u> Unit-5 Chemical Thermodynamics Unit 6: Equilibrium</p>

DECEMBER	<p align="center">Unit 8 Organic Chemistry – Some Basic Principles and Techniques</p> <p align="center">8.1 General Introduction</p> <p align="center">8.2 Tetravalence of Carbon: Shapes of Organic Compounds</p> <p align="center">8.3 Structural Representations of Organic Compounds</p> <p align="center">8.4 Classification of Organic Compounds</p> <p align="center">8.5 Nomenclature of Organic Compounds</p> <p align="center">8.6 Isomerism 8.7 Fundamental Concepts in Organic Reaction Mechanism 8.8</p> <p align="center">Methods of Purification of Organic Compounds</p> <p align="center">8.9 Qualitative Analysis of Organic Compounds</p> <p align="center">8.10 Quantitative Analysis</p> <p align="center">PT 3 : (1st – 7th Dec)</p> <p align="center">Portion:</p> <p align="center">Unit 6: Equilibrium</p> <p align="center">Unit 7 Redox Reactions</p> <p align="center">Unit 8 Organic Chemistry – Some Basic Principles and Techniques</p> <p align="center"><i>Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</i></p>
JANUARY	<p align="center">Unit 9 Hydrocarbons</p> <p align="center">9.1 Classification</p> <p align="center">9.2 Alkanes</p> <p align="center">9.3 Alkenes</p> <p align="center">9.4 Alkynes</p> <p align="center">9.5 Aromatic Hydrocarbon 9.6</p> <p align="center">Carcinogenicity and Toxicity</p> <p align="center"><u>PLA 5 Portion (16th - 18th Jan)</u></p> <p align="center">Unit 9 Hydrocarbons</p>
FEBRUARY	<p align="center">Overall Revision.</p> <p align="center">PT 4 / Annual Exam (8th – 19th Feb)</p> <p align="center">Portion: Full syllabus as per CBSE</p>
Total Working Days	243

ACADEMIC YEAR - 2026-27
YEARLY SYLLABUS PLANNER - GRADE XI

MONTH	ENGLISH
APRIL	<ul style="list-style-type: none"> • Hornbill (Prose): The Portrait of a Lady • Hornbill (Poetry): A Photograph • Snapshots: The Summer of the Beautiful White Horse • Grammar: Tenses, Determiners • Reading: Note Making (Introduction) • Writing: Classified Advertisements (Introduction) <p>Periodic Learning Assessment 1 Portion (22 – 25 April)</p> <ul style="list-style-type: none"> • Hornbill: The Portrait of a Lady, A Photograph • Snapshots: The Summer of the Beautiful White Horse • Grammar: Tenses • Writing: Classified Advertisements
JUNE	<ul style="list-style-type: none"> • Hornbill (Prose): We're Not Afraid to Die... if We Can All Be Together • Hornbill (Poetry): The Laburnum Top • Snapshots: The Address • Writing: Poster Designing <p>Periodic Learning Assessment 2 Portion (21 -23 May /18 – 20 June)</p> <ul style="list-style-type: none"> • Hornbill: We're Not Afraid to Die... • Hornbill (Poetry): The Laburnum Top
JULY	<ul style="list-style-type: none"> • Hornbill (Prose): Discovering Tut: The Saga Continues • Hornbill (Poetry): The Voice of the Rain • Snapshots: Mother's Day (Play) • Grammar: Re-ordering of Sentences • Writing: Speech Writing <p>PERIODIC TEST-I (13th – 18th July)</p> <ul style="list-style-type: none"> • Hornbill (Prose): The Portrait of a Lady, We're Not Afraid to Die..., Discovering Tut (Intro) • Hornbill (Poetry): A Photograph, The Laburnum Top • Snapshots: The Summer of the Beautiful White Horse, The Address • Grammar: Tenses, Determiners, Re-ordering Sentences • Writing: Classified Advertisements, Poster Designing • <i>Internal Assessment (Periodic Tests, Multiple Assessments, Portfolio, and ASL) will carry a weightage of 20 marks.</i>
AUGUST	<ul style="list-style-type: none"> • Hornbill (Prose): The Adventure • Hornbill (Poetry): Childhood • Writing: Debate Writing • Activity: Subject Enrichment Activity (ASL - Speaking & Listening) <p>Periodic Learning Assessment 3 Portion (12 – 14 August)</p> <ul style="list-style-type: none"> • Hornbill: Discovering Tut: The Saga Continues [July Syllabus] • Hornbill (Poetry): The Voice of the Rain [July Syllabus] • Snapshots: Mother's Day [July Syllabus] • Writing: Speech Writing [July Syllabus]

SEPTEMBER	<ul style="list-style-type: none"> • Revision: Term 1 Syllabus • Reading: Practice of Comprehension Passages PT 2 / Term 1 Exam (7th – 19th Sept) <ul style="list-style-type: none"> • Portion: <ul style="list-style-type: none"> ○ Hornbill Prose: Ch 1, 2, 3, 4 (Portrait to Adventure) ○ Hornbill Poetry: Poems 1, 2, 3, 4 (Photograph to Childhood) ○ Snapshots: Ch 1, 2, 3, 4 (Summer to Mother’s Day) ○ Writing: Advertisements, Posters, Speech, Debate ○ Grammar: Tenses, Clauses, Re-ordering, Transformation ○ Reading: Note Making, Comprehension • <i>Internal Assessment (Periodic Tests, Multiple Assessments, Portfolio, and ASL) will carry a weightage of 20 marks.</i> <ul style="list-style-type: none"> • Hornbill (Prose): Silk Road • Hornbill (Poetry): Father to Son
OCTOBER	<ul style="list-style-type: none"> • Snapshots: Birth • Grammar: Gap Filling / Editing Practice • Reading: Note Making Practice • Writing: Integrated Writing Practice (Speech/Debate)
NOVEMBER	<ul style="list-style-type: none"> • Snapshots: The Tale of Melon City • Writing: Advertisements, Posters Periodic Learning Assessment 4 Portion (1 – 5 November) <ul style="list-style-type: none"> • Hornbill: Silk Road • Hornbill (Poetry): Father to Son • Snapshots: Birth [Oct Syllabus] • Grammar: Gap Filling / Editing [Oct Syllabus]
DECEMBER	<ul style="list-style-type: none"> • Revision: Full Syllabus Revision • Project Work: Completion of Portfolio • Activity: Subject Enrichment Activity (ASL - Speaking & Listening) PERIODIC TEST 3 (1 – 7 Dec) <ul style="list-style-type: none"> • Portion: <ul style="list-style-type: none"> ○ Hornbill: Silk Road, Father to Son ○ Snapshots: Birth, The Tale of Melon City ○ Writing: Speech / Debate / Advertisements ○ Grammar: Integrated Grammar • <i>Internal Assessment (Periodic Tests, Multiple Assessments, Portfolio, and ASL) will carry a weightage of 20 marks.</i>
JANUARY	<ul style="list-style-type: none"> • Revision: Solving Sample Papers • Doubt Clearing Periodic Learning Assessment 5 Portion (16 – 18 Jan) <ul style="list-style-type: none"> • Snapshots: The Tale of Melon City [Nov Syllabus/Backlog] • Writing: Integrated Writing Practice • Grammar: Mixed Practice
FEBRUARY	<p>Overall Revision</p> <p>PERIODIC TEST 4 / Annual Exam (8 – 19 Feb)</p> <p>Portion: Full syllabus as per CBSE</p> <p><i>Internal Assessment (Periodic Tests, Multiple Assessments, Portfolio, and ASL)</i></p>

	<i>will carry a weightage of 20 marks and will be considered in the final result.</i>
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YEARLY SYLLABUS PLANNER 2026-27

GRADE XI	
MONTH	MATHS
APRIL	<p>Unit-I: 1. Sets. 1.1 Introduction, 1.2 Sets and their Representations, 1.3 The Empty Set, 1.4 Finite and Infinite Sets, 1.5 Equal Sets, 1.6 Subsets, 1.7 Universal Set, 1.8 Venn Diagrams, 1.9 Operations on Sets, 1.10 Complement of a Set</p> <p align="center"><u>PLA 1 Portion (22 – 25 April)</u></p> <p align="center">1. Sets.</p>
JUNE	<p>Unit-I: 2. Relations & Functions. 2.1 Introduction, 2.2 Cartesian Product of Sets, 2.3 Relations, 2.4 Functions</p> <p>Unit-I: 3. Trigonometric Functions. 3.1 Introduction, 3.2 Angles, 3.3 Trigonometric Functions, 3.4 Trigonometric Functions of Sum and Difference.</p> <p>Unit-II:4. Complex Numbers and Quadratic Equations. 4.1 Introduction, 4.2 Complex Numbers,</p> <p align="center"><u>PLA 2 Portion (21 -23 May / 18 -20 June)</u></p> <p align="center">2. Relations & Functions.</p>
JULY	<p>Unit-II:4. Complex Numbers and Quadratic Equations. 4.3 Algebra of Complex Numbers, 4.4 The Modulus and the Conjugate of a Complex Number, 4.5 Argand Plane and Polar Representation</p> <p>Unit-II: 5. Linear Inequalities 5.1 Introduction, 5.2 Inequalities, 5.3 Algebraic Solutions of Linear Inequalities in One Variable and their Graphical Representation</p> <p align="center">PERIODIC TEST-I (13th – 18th July)</p> <p align="center">1. Sets. 2. Relations & Functions. 3. Trigonometric Functions. 4. Complex Numbers and Quadratic Equations</p>
AUGUST	<p>Unit-II: 6. Permutations and Combinations 6.1 Introduction, 6.2 Fundamental Principle of Counting, 6.3 Permutations, 6.4 Combinations.</p> <p>Unit-II: 7. Binomial Theorem</p> <p align="center">7.1 Introduction, 7.2 Binomial Theorem for Positive Integral Indices</p> <p align="center"><u>PLA 3 Portion (12 -14 August)</u></p> <p align="center">5. Linear Inequalities</p>
SEPTEMBER	<p>Unit-II: 8. Sequence and Series (Continue.) 8.1 Introduction, 8.2 Sequences, 8.3 Series, 8.4 Geometric Progression (G.P.),</p>

	<p align="center">Revision & Intervention for Periodic Test 2 (27th August to 3rd September 2026) Periodic test 2 – (7 sep -19 sep) Portion: 1. Sets. 2. Relations & Functions. 3. Trigonometric Functions. 4. Complex Numbers and Quadratic Equations 5. Linear Inequalities. 6. Permutations and Combinations</p> <p align="center"><i>Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</i></p>
OCTOBER	<p>Unit-II: 8. Sequence and Series (Continue.) 8.5 Relationship Between A.M. and G.M Unit-III: 9. Straight Lines 9.1 Introduction, 9.2 Slope of a Line, 9.3 Various Forms of the Equation of a Line , 9.4 Distance of a Point From a Line</p>
NOVEMBER	<p>Unit-III: 10. Conic Sections 10.1 Introduction, 10.2 Sections of a Cone, 10.3 Circle, 10.4 Parabola, 10.5 Ellipse, 10.6 Hyperbola Unit-III: 11. Introduction to Three-dimensional Geometry 11.1 Introduction, 11.2 Coordinate Axes and Coordinate Planes in Three Dimensional Space, 11.3 Coordinates of a Point in Space, 11.4 Distance between Two Points</p> <p align="center"><u>PLA 4 Portion (2 - 4 November)</u> 7. Binomial Theorem 8. Sequence and Series</p>
DECEMBER	<p>Unit-IV: 12. Limits and Derivatives 12.1 Introduction, 12.2 Intuitive Idea of Derivatives, 12.3 Limits, 12.4 Limits of Trigonometric Functions, 12.5 Derivatives</p> <p align="center">PT 3 (1 – 7 Dec) Portion: 7. Binomial Theorem 8. Sequence and Series. 9. Straight Lines. 10. Conic Sections.</p>
JANUARY	<p>Unit-V: 13. Statistics 13.1 Introduction, 13.2 Measures of Dispersion, 13.3 Range, 13.4 Mean Deviation, 13.5 Variance and Standard Deviation 13.3 Range, 13.4 Mean Deviation, 13.5 Variance and Standard Deviation</p> <p>Unit-V: 14. Probability 14.1 Event, 14.2 Axiomatic Approach to Probability</p> <p align="center"><u>PLA 5 Portion (18 - 20 Jan)</u> 11. Introduction to Three-dimensional Geometry 12. Limits and Derivatives</p> <p>Revision full syllabus.</p>

FEBRUARY	Revision and Intervention to be conducted as per the planner uploaded on KB. PT 4 / Annual Exam (8 – 19 Feb) Portion: Full syllabus as per CBSE. Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.
Total Working Days	227

ACADEMIC YEAR - 2026-27
YEARLY SYLLABUS PLANNER
GRADE XI

MONTH	ACCOUNTANCY
APRIL	PART - A FINANCIAL ACCOUNTING UNIT – 1 Ch 1. Introduction to Accounting Accounting Concepts- Meaning- Objectives- advantages-limitations – types of accounting information- Role of accounting in Business- Basic Accounting Terms Ch 2. Theory Base of Accounting Fundamental accounting assumptions- Basic accounting concepts- Accounting Standards and Indian accounting standards- <u>PLA 1 Portion (22 – 25 April)</u> Ch 1. Introduction to Accounting Ch 2. Theory Base of Accounting
JUNE	Ch 2. Theory Base Of Accounting (Cont.) GST- Characteristics and advantages Ch 3. Recording of Business transactions I Voucher and Transactions- Recording of Business transactions- Books of Original Entry – Journal- Special Purpose books: • Cash Book: Simple, cash book with bank column and petty cashbook – <u>PLA 2 Portion (18 -20 June) // 21 -23 May)</u> Ch 3. Recording of Business transactions I
JULY	Ch 3. Recording of Business transactions I (Cont.) (subsidiary books) Purchases book-• Sales book-• Purchases return book-• Sales return book- Journal proper- Ledger: Format, Posting from journal and subsidiary books, Balancing of accounts <i>SEA is to be conducted recorded in this month.</i> PERIODIC TEST- 1 (13th – 18th July) Portion: Ch 1. Introduction to Accounting Ch 2. Theory Base Of Accounting Ch 3. Recording of Business transactions I
AUGUST	Ch 3. Recording of Business transactions I (Subsidiary Books) Ch 4. Recording of Business transactions II (Depreciation) OR PART B (OPTIONAL) COMPUTERISED ACCOUNTING <u>PLA 3 (12 -14 August)</u> Portion: Ch 3. Recording of Business transactions I (Subsidiary Books) Ch 4. Recording of Business transactions II (Depreciation)

SEPTEMBER	<p>Ch 4. Recording of Business transactions II (Depreciation) Ch 5. Bank Reconciliation Statement Ch 6. Trail Balance and Rectification of Statement Revision for Periodic Test 2 Examination (1st September to 3rd September 2026)</p> <p style="text-align: center;"><i>PT 2 / Term 1 (7th – 19th Sept)</i> Portion: PART - A Ch 1. Introduction to Accounting Ch 2. Theory Base Of Accounting Ch 3. Recording of Business transactions I Ch 4. Recording of Business transactions II (Depreciation) Ch 5. Bank Reconciliation Statement Ch 6. Trail Balance and Rectification of Statement SEA to be conducted and recorded in this month</p>
OCTOBER	Ch 7. Depreciation, Provisions and Reserves (upto Dep. Methods)
NOVEMBER	<p>Ch 7. Depreciation, Provisions and Reserves (up to Dep. Methods) PART – B FINANCIAL ACCOUNTING -II PLA 4 (2 - 4 November) Portion: 5. Bank Reconciliation Statement Ch 6. Trail Balance and Rectification of Statement Ch 7. Depreciation, Provisions and Reserves (up to Dep. Methods)</p>
DECEMBER	<p>Ch 8 Financial Statements I (Trial Balance & Methods) Ch PT 3 : (1st Dec – 7th Dec) Portion : Ch.8 Financial Statements I (Trial Balance & Methods) Ch SEA to be conducted and recorded in this month.</p>
JANUARY	<p>9. Financial Statement II (Trading and Profit & loss A/c) PLA 5 (16 - 18 Jan 2027) Portion: 9. Financial Statement II (Trading and Profit & loss A/c) Overall Revision</p>
FEBRUARY	<p style="text-align: center;">Overall Revision : 1st Feb to 6th Feb 2027</p> <p style="text-align: center;">PT 4 / Annual Exam : (8th – 19th Feb 2027) Portion: Full Syllabus as per CBSE Result PTM 27th February, 2027</p>
Total Working Days	243

YEARLY SYLLABUS PLANNER 2026-27

GRADE XI	
MONTH	PHYSICS
APRIL	<p>Unit I: Chapter 1: Units and Measurements. 1.1 Introduction, 1.2 The international system of units, 1.3 Significant figures, 1.4 Dimensions of physical quantities, 1.5 Dimensional formulae and dimensional equations, 1.6-Dimensional analysis and its applications</p> <p><u>Activities:</u> 1. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.</p> <p style="text-align: center;"><u>PLA 1 Portion (22 – 25 April)</u></p> <p style="text-align: center;">1: Units and Measurements.</p>
JUNE	<p>Unit II: Chapter 2: Motion in a Straight Line. 2.1 Introduction, 2.2 Instantaneous velocity and speed, 2.3 Acceleration, 2.4 Kinematic equations for uniformly accelerated motion.</p> <p>Unit II: Chapter 3: Motion in a Plane. 3.1 Introduction, 3.2 Scalars and vectors, 3.3 Multiplication of vectors by real numbers, 3.4 Addition and subtraction of vectors – graphical method, 3.5 Resolution of vectors, 3.6 Vector addition – analytical method, 3.7 Motion in a plane, 3.8 Motion in a plane with constant acceleration, 3.9 Projectile motion, 3.10 Uniform circular motion.</p> <p><u>Experiments:</u> Section A.1. To determine the mass of two different objects using a beam balance. Section A.2. To find the weight of a given body using parallelogram law of vectors.</p> <p style="text-align: center;"><u>PLA 2 Portion (21 -23 May / 18 -20 June)</u></p> <p style="text-align: center;">2: Motion in a Straight Line.</p>
JULY	<p>Unit III: Chapter 4: Laws of Motion 4.1 Introduction, 4.2 Aristotle’s fallacy, 4.3 The law of inertia, 4.4 Newton’s first law of motion, 4.5 Newton’s second law of motion, 4.6 Newton’s third law of motion, 4.7 Conservation of momentum, 4.8 Equilibrium of a particle, 4.9 Common forces in mechanics, 4.10 Circular motion, 4.11 Solving problems in mechanics</p> <p>Unit IV: Chapter 5: Work, Energy and Power 5.1 Introduction, 5.2 Notions of work and kinetic energy : The work-energy theorem, 5.3 Work, 5.4 Kinetic energy, 5.5 Work done by a variable force, 5.6 The work-energy theorem for a variable force, 5.7 The concept of potential energy, 5.8 The conservation of mechanical energy, 5.9 The potential energy of a spring, 5.10 Power, 5.11 Collisions</p> <p><u>Experiments:</u> Section A.3. Using a simple pendulum, plot its L-T² graph and use it to find the effective length of second's pendulum.</p> <p style="text-align: center;">PERIODIC TEST-I (13th – 18th July)</p>

	<p style="text-align: center;">Portion:</p> <p style="text-align: center;">Chapter 1: Units and Measurements Chapter 2: Motion in a Straight Line. Chapter 3: Motion in a Plane. Chapter 4: Laws of Motion</p>
<p>AUGUST</p>	<p>Unit V: Chapter 6: System of Particles and Rotational Motion. 6.1 Introduction, 6.2 Centre of mass, 6.3 Motion of centre of mass, 6.4 Linear momentum of a system of particles, 6.5 Vector product of two vectors, 6.6 Angular velocity and its relation with linear velocity, 6.7 Torque and angular momentum, 6.8 Equilibrium of a rigid body, 6.9 Moment of inertia, 6.10 Kinematics of rotational motion about a fixed axis, 6.11 Dynamics of rotational motion about a fixed axis, 6.12 Angular momentum in case of rotations.</p> <p>Unit VI: Chapter 7: Gravitation. 7.1 Introduction, 7.2 Kepler’s laws, 7.3 Universal law of gravitation, 7.4 The gravitational constant, 7.5 Acceleration due to gravity of the earth, 7.6 Acceleration due to gravity below and above the surface of earth, 7.7 Gravitational potential energy, 7.8 Escape speed, 7.9 Earth satellites, 7.10 Energy of an orbiting satellite.</p> <p>Experiments: Section A. 4. To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result</p> <p>Activities: 2. To study the variation in range of a projectile with angle of projection</p> <p style="text-align: center;"><u>PLA 3 Portion (12 -14 August)</u></p> <p style="text-align: center;">Chapter 5: Work, Energy and Power</p>
<p>SEPTEMBER</p>	<p>Unit VII: Chapter 8: Mechanical Properties of Solids. 8.1 Introduction, 8.2 Stress and strain, 8.3 Hooke’s law, 8.4 Stress-strain curve, 8.5 Elastic moduli, 8.6 Applications of elastic behaviour of materials.</p> <p>Experiments: Section A.5. To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and $\text{Sin}\theta$.</p> <p style="text-align: center;">Revision & Intervention for Periodic Test 2 (27th August to 3rd September 2026) Periodic Test 2 – 7 sep – 19 sep</p> <p style="text-align: center;">Portion:</p> <p style="text-align: center;">Chapter 1: Units and Measurements Chapter 2: Motion in a Straight Line. Chapter 3: Motion in a Plane. Chapter 4: Laws of Motion Chapter 5: Work, Energy and Power. Chapter 6: System of Particles and Rotational Motion.</p> <p style="text-align: center;"><i>Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</i></p>
<p>OCTOBER</p>	<p>Unit VII: Chapter 9: Mechanical Properties of Fluids. 9.1 Introduction, 9.2 Pressure, 9.3 Streamline flow, 9.4 Bernoulli’s principle, 9.5 Viscosity, 9.6 Surface tension</p>

	<p>Unit VII: Chapter 10: Thermal Properties of Matter. (Continue..) 10.1 Introduction, 10.2 Temperature and heat, 10.3 Measurement of temperature, 10.4 Ideal-gas equation and absolute temperature, 10.5 Thermal expansion, 10.6 Specific heat capacity,</p>
<p style="text-align: center;">NOVEMBER</p>	<p>Unit VII: Chapter 10: Thermal Properties of Matter. (Continue..) 10.7 Calorimetry, 10.8 Change of state, 10.9 Heat transfer, 10.10 Newton’s law of cooling.</p> <p>Unit VII: Chapter 11: Thermodynamics. 11.1 Introduction, 11.2 Thermal equilibrium, 11.3 Zeroth law of thermodynamics, 11.4 Heat, internal energy and work, 11.5 First law of thermodynamics, 11.6 Specific heat capacity, 11.7 Thermodynamic state variables and equation of state, 11.8 Thermodynamic processes, 11.9 Second law of thermodynamics, 11.10 Reversible and irreversible processes, 11.11 Carnot engine</p> <p>Unit IX: Chapter 12: Kinetic Theory (Continue..) 12.1 Introduction, 12.2 Molecular nature of matter, 12.3 Behaviour of gases, 12.4 Kinetic theory of an ideal gas, 12.5 Law of equipartition of energy,</p> <p>Experiments: Section B. 1. To determine Young's modulus of elasticity of the material of a given wire</p> <p>Activities: 3. To observe change of state and plot a cooling curve for molten wax</p> <p>4. To observe and explain the effect of heating on a bi-metallic strip.</p> <p style="text-align: center;">PLA 4 Portion (2 - 4 November) Chapter 7: Gravitation. Chapter 8: Mechanical Properties of Solids.</p>
<p style="text-align: center;">DECEMBER</p>	<p>Unit IX: Chapter 12: Kinetic Theory (Continue..) 12.6 Specific heat capacity, 12.7 Mean free path.</p> <p>Unit X: Chapter 13: Oscillations. 13.1 Introduction, 13.2 Periodic and oscillatory motions, 13.3 Simple harmonic motion, 13.4 Simple harmonic motion and uniform circular motion, 13.5 Velocity and acceleration in simple harmonic motion, 13.6 Force law for simple harmonic motion, 13.7 Energy in simple harmonic motion, 13.8 The Simple Pendulum.</p> <p style="text-align: center;">PT 3 (1 – 7 Dec) Portion: Chapter 7: Gravitation. Chapter 8: Mechanical Properties of Solids. Chapter 9: Mechanical Properties of Fluids. Chapter 10: Thermal Properties of Matter. Chapter 11: Thermodynamics.</p>
<p style="text-align: center;">JANUARY</p>	<p>Unit X: Chapter 14: Waves Waves 14.1 Introduction, 14.2 Transverse and longitudinal waves, 14.3 Displacement relation in a progressive wave, 14.4 The speed of a travelling wave, 14.5 The principle of superposition of waves, 14.6 Reflection of waves, 14.7 Beats</p> <p>Experiments: Section B. 2. To find the force constant of a helical spring by plotting a graph between load and extension.</p>

	<p>Section B. 3. To determine the surface tension of water by capillary rise method.</p> <p>Activities: 5. To note the change in level of liquid in a container on heating and interpret the observations.</p> <p>Experiments: Section B. 4. To study the relationship between the temperature of a hot body and time by plotting a cooling curve. Section B. 5. To determine specific heat capacity of a given solid by method of mixtures.</p> <p style="text-align: center;"><u>PLA 5 Portion (18 - 20 Jan)</u> Chapter 12: Kinetic Theory Chapter 13: Oscillations.</p>
FEBRUARY	<p>Practical Exam.</p> <p>Overall Revision.</p> <p style="text-align: center;">PT 4 / Annual Exam (8 – 19 Feb) Portion: Full syllabus as per CBSE. Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</p>
Total Working Days	227

**ACADEMIC YEAR - 2026-27
 YEARLY SYLLABUS PLANNER
 GRADE XI**

MONTH	ECONOMICS
APRIL	<p align="center">PART – A Statistics for Economics Ch 1. Introduction Meaning, Scope, Functions, and Importance Ch 2. Collection of Data Sources of Data- Concepts of Sampling- Methods of Collecting Data- Census <u>PLA 1 Portion (22 – 25 April)</u> Ch 1. Introduction Ch 2. Collection of Data</p>
JUNE	<p align="center">Ch 3. Organisation of Data Meaning – Types of variables- Frequency Distribution</p> <p align="center">Ch 4. Presentation of Data Tabular – Diagrammatic Presentation of Data- Bar and Pie Diagrams- Frequency Diagrams- Arithmetic line Graphs <u>PLA 2 Portion (18 -20 June) // 21 -23 May)</u></p> <p align="center">Ch 3. Organisation of Data Ch 4. Presentation of Data</p>
JULY	<p align="center">Ch 5. Measures of Central Tendency Arithmetic Mean, Median and Mode</p> <p align="center">Ch 6. Correlation Correlation- Meaning- Properties- Scatter diagram- Measures of Correlation- Karl Pearson’s method – Spearman’s Rank Correlation</p> <p align="center"><i>Periodic Test - 1 (PT I -13th July – 18th July)</i> Portion : Ch 1. Introduction Ch 2. Collection of Data Ch 3. Organisation of Data Ch 4. Presentation of Data Ch 5. The Measures of Central Tendency Ch 6. Correlation</p> <p align="center"><i>SEA is to be conducted recorded in this month.</i></p>

AUGUST	<p>Ch 7. Introduction to Index Numbers Meaning- types-Wholesale Price Index-Consumer Price Index- Industrial production of Index numbers- Inflation and Index Numbers -Simple Aggregate Method PLA 3 (12 -14 August) Portion: Ch 7. Introduction to Index Numbers</p>
SEPTEMBER	<p>PART - B Introductory Microeconomics Ch.1 Introduction Meaning of Micro and Macroeconomics – Central problems of an economy- Concept of Production Possibility curve and Opportunity Cost Ch 2 Theory of Consumer Behaviour (Consumer’s Equilibrium and Demand) Utility- Meaning- Cardinal utility – Ordinal utility- Law of Diminishing Marginal utility- Indifference curve analysis – Budget set – Budget line – Preference (Optimal Choice) of consumer (Indifference curve, Indifference Map)- conditions of consumer's equilibrium Revision for Periodic Test 2 Examination (1st September to 3rd September 2026) PT 2 / Term 1 (7th – 19th Sept) Portion: Ch 1. Introduction Ch 2. Collection of Data Ch 3. Organisation of Data Ch 4. Presentation of Data Ch 5. Measures of Central Tendency Ch 6. Correlation Ch 7. Introduction to Index Numbers PART–B: Introductory Microeconomics Ch 1 Introduction Ch 2 Theory of Consumer Behaviour SEA to be conducted and recorded in this month.</p>
OCTOBER	<p>Ch 2 Theory of Consumer Behaviour (Cont.) Demand – Demand Curve – Law of Demand – Deriving a demand curve from Indifference Curves – Budget Constraints- Normal, Inferior, Substitutes and Complements – Shifts in the Demand curve – Movements along the demand curve and shifts in the Demand Curve -</p>
NOVEMBER	<p>Ch 2. The Theory of Consumer Behaviour (Cont.) Market Demand – Elasticity of Demand -Price elasticity of Demand – Factors affecting price elasticity of Demand – Measurement of price elasticity of Demand – Percentage and total expenditure method Ch 3. Production and Costs Production Function – Short run – Long run – Total Product – Average Product – Marginal Product- Costs- Short run costs – TC, TFC, TVC.</p>

	<p>Average Cost- AFC, AVC, and Marginal Cost: Meaning and relationships <u>PLA 4 (2nd – 4th November)</u> Portion Ch 2. The Theory of Consumer Behaviour Ch 3. Production and Costs</p>
DECEMBER	<p>Ch 4. The Theory of The Firm Under Perfect Competition Features- Determination of Market Equilibrium</p> <p>PT 3 :(1st Dec – 7th Dec,2026) Portion: Ch 3. Production and Costs Ch 4. The Theory of The Firm Under Perfect Competition <i>SEA to be conducted and recorded in this month.</i></p>
JANUARY	<p>Ch 5. Market Equilibrium Effects of shifts in Demand and Supply (Short run only) <u>PLA 5 (16 - 18 Jan ,2027)</u></p> <p>Portion: Ch 5. Market Equilibrium</p> <p>Overall Revision.</p>
FEBRUARY	<p>Overall Revision. 1st Feb to 6th Feb 2027</p> <p>PT 4 / Annual Exam : (8th – 19 Feb)</p> <p>Portion: Full syllabus as per CBSE. Result PTM 27th February, 2027</p>
Total Working Days	232

ACADEMIC YEAR - 2026-27
YEARLY SYLLABUS PLANNER - GRADE XI

MONTH	BIOLOGY
APRIL	<p align="center">UNIT I Diversity In The Living World</p> <p align="center">Chapter 1: The Living World</p> <p align="center">1.1 Diversity in the living world 1.2 Taxonomic categories</p> <p align="center">Chapter 2: Biological Classification</p> <p align="center">2.1 Kingdom Monera 2.2 Kingdom Protista 2.3 Kingdom Fungi 2.4 Kingdom Plantae 2.5 Kingdom Animalia 2.6 Viruses, Viroids and Lichens</p> <p>Practical's: 1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).</p> <p align="center"><u>PLA 1 Portion (22 – 25 April May)</u> Chapter 1: The Living World Chapter 2: Biological Classification</p>
	<p align="center">Chapter 3: Plant Kingdom</p> <p align="center">3.1 Algae 3.2 Bryophytes 3.3 Pteridophytes 3.4 Gymnosperms 3.5 Angiosperms</p> <p align="center">Chapter 4: Animal Kingdom</p> <p align="center">4.1 Basis of Classification 4.2 Classification of Animals</p> <p align="center">Unit II Structural Organisation In Plants and Animals</p> <p align="center">Chapter 5: Morphology of Flowering Plants</p> <p align="center">5.1 The Root 5.2 The Stem 5.3 The Leaf 5.4 The Inflorescence 5.5 The Flower 5.6 The Fruit 5.7 The Seed</p> <p align="center">5.8 Semi-technical Description of a Typical Flowering Plant 5.9 Description of Some Important Families</p> <p>Practical's: 2. Preparation and study of T.S. of dicot and monocot roots and stems (primary). 3. Study of osmosis by potato osmometer. 4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).</p> <p align="center"><u>PLA 2 Portion (18 -20 June/ 21 -23 May)</u></p>
JUNE	

	<p>Chapter 3: Plant Kingdom Chapter 4: Animal Kingdom Chapter 5: Morphology of Flowering Plants</p>
JULY	<p>Chapter 6: Anatomy of Flowering Plants 6.1 The Tissue System 6.2 Anatomy of Dicotyledonous and Monocotyledonous Plants Chapter 7: Structural Organisation in Animals 7.1 Organ and Organ System 7.2 Frogs:</p> <p>Practical's 5. Study of distribution of stomata on the upper and lower surfaces of leaves</p> <p>PERIODIC TEST-I (13th – 18th July) UNIT I Diversity In The Living World Chapter 1: The Living World Chapter 2: Biological Classification Chapter 3: Plant Kingdom Chapter 4: Animal Kingdom Unit II Structural Organisation In Plants and Animals Chapter 5: Morphology of Flowering Plants</p> <p><i>Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</i></p>
AUGUST	<p>Unit III Cell: Structure and Functions Chapter 8: Cell: The Unit of Life 8.1 What is a Cell? 8.2 Cell Theory 8.3 An Overview of Cell 8.4 Prokaryotic Cells 8.5 Eukaryotic Cells Chapter 9: Biomolecules 9.1 How to Analyse Chemical Composition? 9.2 Primary and Secondary Metabolites 9.3 Biomacromolecules 9.4 Proteins 9.5 Polysaccharides 9.6 Nucleic Acids 9.7 Structure of Proteins 9.8 Enzyme</p> <p>Practical's: 6. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. 7. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal Materials</p> <p>PLA 3 Portion (12 -14 August) Chapter 6: Anatomy of Flowering Plants Chapter 7: Structural Organisation in Animals Chapter 8: Cell: The Unit of Life</p>

<p>SEPTEMBER</p>	<p>Chapter 10: Cell Cycle and Cell Division 10.1 Cell Cycle 10.2 M Phase 10.3 Significance of Mitosis 10.4 Meiosis 10.5 Significance of Meiosis</p> <p>Practical's: 8. Separation of plant pigments through paper chromatography. 9. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.</p> <p>PT-2 Revision (27th August-3rd September) PT 2 / Term 1 (7th – 19th Sept) Portion: Unit I Diversity In The Living World Chapter 1: The Living World Chapter 2: Biological Classification Chapter 3: Plant Kingdom Chapter 4: Animal Kingdom Unit II Structural Organisation In Plants And Animals Chapter 5: Morphology of Flowering Plants Chapter 6: Anatomy of Flowering Plants Chapter 7: Structural Organisation in Animals Unit III Cell: Structure and Functions. Chapter 8: Cell: The Unit of Life Chapter 9: Biomolecules</p> <p><i>Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</i></p>
<p>OCTOBER</p>	<p>Unit-IV Plant Physiology Chapter-11: Photosynthesis in Higher Plants 11.1 What do we Know? 11.2 Early Experiments 11.3 Where does Photosynthesis take place? 11.4 How many Pigments are involved in Photosynthesis? 11.5 What is Light Reaction? 11.6 The Electron Transport 11.7 Where are the ATP and NADPH Used? 11.8 The C4 Pathway 11.9 photorespiration 11.10 Factors affecting Photosynthesis</p> <p>Chapter 12: Respiration in Plants 12.1 Do Plants Breathe? 12.2 Glycolysis 12.3 Fermentation 12.4 Aerobic Respiration 12.5 The Respiratory Balance Sheet 12.6 Amphibolic Pathway 12.7 Respiratory Quotient</p> <p>Practical's: 10. Test for presence of urea in urine. 11. Test for presence of sugar in urine.</p>

	<p>12. Test for presence of albumin in urine. 13. Test for presence of bile salts in urine B. Study and Observe the following (spotting): 1. Parts of a compound microscope. 2. Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.</p>
<p>NOVEMBER</p>	<p>Chapter 13: Growth and Development 13.1 Growth 13.2 Differentiation, Dedifferentiation and Redifferentiation 13.3 Development 13.4 Plant Growth Regulators UNIT V HUMAN PHYSIOLOGY Chapter-14: Breathing and Exchange of Gases 14:.1 Respiratory Organs 14:.2 Mechanism of Breathing 14:17.3 Exchange of Gases 14:.4 Transport of Gases 14:.5 Regulation of Respiration 14:.6 Disorders of Respiratory System</p> <p>Practicals: Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit. 4. Mitosis in onion root tip cells and animals' cells (grasshopper) from permanent slides.</p> <p><u>PLA 4 Portion (1 - 5 November)</u> <u>Unit-IV Plant Physiology</u> <u>Chapter-11: Photosynthesis in Higher Plants</u> <u>Chapter 12: Respiration in Plants</u> <u>Chapter 13: Growth and Development</u></p>
<p>DECEMBER</p>	<p>Chapter 15: Body Fluids and Circulation 15.1 Blood 15.2 Lymph (Tissue Fluid) 15.3 Circulatory Pathways 15.4 Double Circulation 15.5 Regulation of Cardiac Activity 15.6 Disorders of Circulatory System Chapter 16: Excretory Products and their Elimination 16.1 Human Excretory System 16.2 Urine Formation 16.3 Function of the Tubules 16.4 Mechanism of Concentration of the Filtrate 16.5 Regulation of Kidney Function 16.6 Micturition 16.7 Role of other Organs in Excretion 16.8 Disorders of the Excretory System Chapter 17: Locomotion and Movement 17.1 Types of Movement .2 Muscle 17.3 Skeletal System</p>

	<p style="text-align: center;">17.4 Joints 17.5 Disorders of Muscular and Skeletal System</p> <p>5. Different types of inflorescence (cymose and racemose). 6. Human skeleton and different types of joints with the help of virtual images/models only.</p> <p>Practicals: Mitosis in onion root tip cells and animals' cells (grasshopper) from permanent slides.</p> <p style="text-align: center;">PT 3 : (1 – 7 Dec) Portion: Chapter-11: Photosynthesis in Higher Plants Chapter 12: Respiration in Plants Chapter 13: Growth and Development Chapter-14: Breathing and Exchange of Gases</p> <p style="text-align: center;"><i>Internal Assessment (SEA + MAS) will carry a weightage of 20 marks and will be considered in the final result.</i></p>
JANUARY	<p style="text-align: center;">Chapter-18: Neural Control and Coordination 18.1 Neural System 18.2 Human Neural System 18.3 Neuron as Structural and Functional Unit of Neural System 18.4 Central Neural System Chapter-19: Chemical Coordination and Integration 19.1 Endocrine Glands and Hormones 19.2 Human Endocrine System 19.3 Hormones of Heart, Kidney and Gastrointestinal Tract Mechanism of Hormone Action</p> <p style="text-align: center;">Practical Exams Term -2 Practical Portion</p> <p>A: List of Experiments</p> <ol style="list-style-type: none"> 1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound). 2. Preparation and study of T.S. of dicot and monocot roots and stems (primary). 3. Study of osmosis by potato osmometer. 4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb). 5. Study of distribution of stomata on the upper and lower surfaces of leaves. 6. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. 7. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. 8. Separation of plant pigments through paper chromatography <p>B. Study and Observe the following (spotting): Parts of a compound microscope.</p> <ol style="list-style-type: none"> 1. Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen. 2. Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish,

	<p>shark, rohu, frog, lizard, pigeon and rabbit.</p> <p>3. Mitosis in onion root tip cells and animals' cells (grasshopper) from permanent slides.</p> <p>5. Different types of inflorescence (cymose and racemose).</p> <p>6. Human skeleton and different types of joints with the help of virtual</p> <p style="text-align: center;"><u>PLA 5 Portion (16 - 18 Jan)</u></p> <p style="text-align: center;">Chapter 15: Body Fluids and Circulation Chapter 16: Excretory Products and their Elimination Chapter 17: Locomotion and Movement Chapter-18: Neural Control and Coordination Chapter-19: Chemical Coordination and Integration</p>
FEBRUARY	<p>Overall Revision.</p> <p>PT-4 Revision 1st -6th Feb</p> <p>PT 4 / Annual Exam (8 – 19 Feb)</p> <p>Portion: Full syllabus as per CBSE..</p>
Total Working Days	243

ACADEMIC YEAR - 2026-27
YEARLY SYLLABUS PLANNER
GRADE XI

MONTH	BUSINESS STUDIES
APRIL	<p style="text-align: center;">PART Foundations of Business Ch1. Business, Trade and Commerce History of Trade and Commerce in India – Business Meaning and Characteristics – Profession and Employment Concept – Objectives of Business- Classification- Industry types- Commerce and Trade and auxiliaries to trade- Business risk – Concept. <u>PLA 1 Portion (22 – 25 April)</u> Ch1. Business, Trade and Commerce</p>
JUNE	<p style="text-align: center;">Ch2. Forms of Business Organisations Proprietorship-Concept, merits and limitation -Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners- <u>PLA 2 Portion (18 -20 June) // (21 -23 May)</u> Ch2. Forms of Business Organisations</p>
JULY	<p style="text-align: center;">Ch2. Forms of Business Organisations (Cont.) Hindu Undivided Family Business- Concept- Cooperative Societies- Concept, merits, and limitations-Company - Concept, merits and limitations; Formation of company - stages, important documents to be used in formation of a company form of business organization. Types- Private, Public and One Person Company – Concept Ch3. Private, Public and Global Enterprises Public sector and private sector enterprises – Concept-Forms of public sector enterprises- Departmental Undertakings, Statutory - Corporations and Government Company. <u>Periodic Test (PT-I – 13th July – 18th July)</u> <u>PT -I Portion</u> Chapter 1. Nature and purpose of Business Chapter 2. Forms of Business Organizations Chapter 3.Public, Private and Global Enterprises SEA is to be conducted recorded in this month.</p>

AUGUST	<p style="text-align: center;">Ch 3. Private, Public and Global Enterprises (Cont.)</p> <p>Global Enterprises – Feature- Joint venture -Public Private partnership – concept.</p> <p style="text-align: center;">Ch 4. Business Services</p> <p>Business services – meaning and types. Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multiple option deposit Account. Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking: meaning, types of digital payments.</p> <p style="text-align: center;">PLA 3 (12 -14 August)</p> <p style="text-align: center;">Portion:</p> <p style="text-align: center;">Ch 3. Private, Public and Global Enterprises Ch 4. Business Services</p>
SEPTEMBER	<p style="text-align: center;">Ch 4. Business Services (Cont.)</p> <p>Insurance – Principles. Types – life, health, fire and marine insurance – concept.</p> <p style="text-align: center;">Ch 5 Emerging Modes of Business</p> <p>E-business: concept, scope and benefits</p> <p style="text-align: center;">Revision for Periodic Test 2 Examination (1st September to 3rd September 2026)</p> <p style="text-align: center;">PT- 2/ Term 1 (7th - 19th Sep)</p> <p style="text-align: center;">Portion :</p> <p style="text-align: center;">Chapter 1. Nature and purpose of Business Chapter 2. Forms of Business Organisations Chapter 3.Public, Private and Global Enterprises Chapter 4. Business Services Chapter 5. Emerging Modes of Business</p> <p style="text-align: center;"><i>SEA is to be conducted and recorded in this month.</i></p>
OCTOBER	<p style="text-align: center;">Ch 6. Social Responsibility of Business and Business Ethics</p> <p>Concept of social responsibility -Case of social Responsibility- Responsibility towards owners, investors, consumers, employees, government and community-</p> <p>Role of business in environmental protection- Business Ethics - Concept and Elements.</p>

<p style="text-align: center;">NOVEMBER</p>	<p style="text-align: center;">PART - II</p> <p style="text-align: center;">Corporate Organisation, Finance and Trade</p> <p style="text-align: center;">Ch7. Sources of Business Finance</p> <p>Concept of business finance -Owners’ funds- equity shares, preferences share, retained earnings - Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD)</p> <p style="text-align: center;">Ch8. MSME and Business Entrepreneurship</p> <p>Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship. Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act.</p> <p>Role of small business in India with special reference to rural areas. Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District -Industrial Centre (DIC) with special reference to rural, backward areas.</p> <p style="text-align: center;"><u>PLA 4 (2nd – 4th November)</u></p> <p style="text-align: center;">Ch7. Sources of Business Finance</p> <p style="text-align: center;">Ch8. MSME and Business Entrepreneurship</p>
<p style="text-align: center;">DECEMBER</p>	<p style="text-align: center;">Chapter 9. Internal Trade</p> <p>Internal trade - meaning and types services rendered by a wholesaler and a Retailer - Types of retail-trade-Itinerant and small scale fixed shops retailers - Large scale retailers-Departmental stores - chain stores – concept GST (Goods and Services Tax): Concept and key-features</p> <p style="text-align: center;">PT-3 (01th Dec – 7th Dec)</p> <p style="text-align: center;">Portion :</p> <p style="text-align: center;">Ch 6. Social Responsibility of Business and Business Ethics</p> <p style="text-align: center;">Ch7. Sources of Business Finance</p> <p style="text-align: center;">Ch8. MSME and Business Entrepreneurship</p> <p style="text-align: center;">Chapter 9. Internal Trade</p> <p style="text-align: center;"><i>SEA is to be conducted recorded in this month.</i></p>

JANUARY	<p align="center">Ch10. International Trade</p> <p align="center">International trade: concept and benefits -Export trade – Meaning and procedure - Import Trade - Meaning and procedure</p> <p align="center"><u>PLA 5 Portion (16 - 18 Jan)</u></p> <p align="center">Overall Revision.</p>
FEBRUARY	<p align="center">Overall Revision. 1st Feb to 6th Feb 2027</p> <p align="center">PT 4 / Annual Exam : (8th – 19th Feb) Portion: Full syllabus as per CBSE.</p> <p align="center">Result PTM 27th February, 2027</p>
Total Working Days	243