

SYLLABUS FOR SEMESTER 2 (CLASS 11)

Subject	Class XI (Mid-Semester 2)
English	<ol style="list-style-type: none"> 1. Unseen passage 2. Note Making 3. Functional Grammar 4. Writing Skill <ul style="list-style-type: none"> • Poster • Classified Advertisements • Speech • Debate 5. Literature <ul style="list-style-type: none"> • The Portrait of a Lady (Prose) • A Photograph (Poem) • “We’re Not Afraid to Die... if We Can be Together • Discovering Tut: the Saga Continues • The Laburnum Top (Poem) • The Voice of the Rain (Poem) • Childhood (Poem) • The Adventure • Silk Road (Prose) • Father to Son • The Summer of the Beautiful White Horse (Prose) • The Address (Prose) • Mother’s Day (Play) • Birth (Prose) • The Tale of Melon City
Mathematics	<ol style="list-style-type: none"> 1. Relation and Function 2. Trigonometric functions 3. Linear Inequalities 4. Permutations and Combinations 5. Binomial Theorem. 6. Straight lines, Circles, Ellipse, Parabola and hyperbola. 6. Introduction to Three-dimensional Geometry 7. Statistics and Probability 8. Limits and derivatives
Applied Mathematics	<ol style="list-style-type: none"> 1. Unit1: Logarithms and its application 2. Unit2: Straight Lines 3. Unit3: Circle 4. Unit4: Parabola 5. Unit5: Function, Limits, Continuity and Differentiation. 6. Unit6: Probability 7. Unit7: Descriptive statistics 8. Unit 8: Financial Mathematics
Physics	<ol style="list-style-type: none"> 1)Units and Dimensions 2)Motion in 1D 3)Motion in 2D

	<p>4)Laws of Motion 5)Work, Energy, Power 6)Rotational Motion 7)Gravitation 8) Mechanical properties of Solids 9)Mechanical Properties of Fluids 10) Thermal Properties of Matter 11) Thermodynamics 12)Kinetic Theory of Gases 13) Oscillations 14)Waves</p>
Chemistry	<ul style="list-style-type: none"> • Basic concepts of Chemistry • Atomic structure • Periodic table • Chemical bonding • Basic Principles in Organic Chemistry • Hydrocarbons • Redox reaction • Equilibrium • Thermodynamics
Biology	<p>Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom (Topics excluded – Angiosperms, Plant Life Cycle and Alternation of Generations) Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals - Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog. Chapter-8: Cell-The Unit of Life Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division Chapter-13: Photosynthesis in Higher Plants Chapter-14: Respiration in Plants Chapter-15: Plant - Growth and Development Chapter-17: Breathing and Exchange of Gases Chapter-18: Body Fluids and Circulation Chapter-19: Excretory Products and their Elimination Chapter-20: Locomotion and Movement Chapter-21: Neural Control and Coordination Chapter-22: Chemical Coordination and Integration</p>
Computer Science	<p>Unit 1: Computer Systems and Organisation Unit 2: Computational Thinking and Programming Unit 3: Society, Law, and Ethics</p>

Economics	<p>Introduction to Microeconomics</p> <p>Consumer Equilibrium</p> <p>Theory of Demand</p> <p>Theory of Production, Cost and Revenue</p> <p>Theory of Supply</p> <p>Producer Equilibrium</p> <p>Forms of Market(Only Perfect Competition)</p> <p>Determination of Price under Perfect Competition</p> <p>Central Tendency</p> <p>Correlation</p> <p>Index Number</p>
Accountancy	<p>1) Theoretical Framework</p> <p>Introduction to Accounting</p> <p>Theory base of Accounting</p> <p>2) Accounting process</p> <p>Accounting Equation</p> <p>Journal</p> <p>Ledger</p> <p>Origin of transaction</p> <p>Special purpose book</p> <p>3)Bank Reconciliation Statement</p> <p>4)Depreciation Provision and Reserve</p> <p>5) Trial Balance and Rectification of Errors</p> <p>6) Financial Statement of Sole proprietorship business</p> <p>7) Accounting from incomplete records</p>
Business Studies	<p>1. Nature and Purpose of Business</p> <p>2. Forms of Business Organisations</p> <p>3. Public, Private and Global Enterprises</p> <p>4: Business Services</p> <p>5: Emerging Modes of Business</p> <p>6: Social responsibility of business and business ethics</p> <p>7: Sources of business finance</p> <p>8: Small business</p> <p>9: Internal trade</p> <p>10: International business.</p>
Entrepreneurship Development	<p>Unit-1 : Entrepreneurship: Concept and Functions</p> <p>Unit-2 : An Entrepreneur</p> <p>Unit-3 : Entrepreneurial Journey</p> <p>Unit-4 : Entrepreneurship As Innovation and Problem Solving</p> <p>Unit-5 : Concept of Market</p> <p>Unit-6 : Business Finance and Arithmetic</p> <p>Unit-7 : Resource Mobilization</p>
Psychology	<p>1. What is psychology?</p> <p>2. Methods of Enquiry.</p> <p>3. The Based of Human Behaviour</p> <p>4. Human Development.</p> <p>5. Sensory, Attentional and perceptual processes</p>

	6. Learning 7. Human Memory 8. Thinking 9. Motivation and Emotion
Commercial Art	Theory: - Indo- Islamic Architecture, India Temple Sculptures Ajanta caves, Mauryan, shunga, Kushana & Gupta period Art, Indus Valley Art, prehistoric Rock Painting, principal & Elements of art. Practical – unit - 1 illustration, unit -2 poster unit - 3 portfolio
Legal Studies	Unit 1: 1. Concept of State 2. Forms and Organs of Government 3. Separation of Powers Unit 2: 1. Salient Features of the Constitution of India 2. Administrative Law Unit 3: 1. Jurisprudence, Nature and Meaning of Law 2. Classification of Laws 3. Sources of Laws 4. Law Reforms 5. Cyber Laws, Safety and Security of India Unit 4: 1. Judiciary: Constitutional, Civil and Criminal Processes Unit 5: 1. Marriage and Divorce 2. Child Rights 3. Adoption 4. Property, Succession, Inheritance 5. Prevention of Violence Against Women
Sociology	1. Doing Sociology: Research Methods 2. Terms, Concepts and their use in Sociology 3. Understanding Social Institutions 4. Culture and Socialisation 5. Social Structure, Stratification and Social Processes in Society 6. Social Change and Social Order in Rural and Urban Society 7. Environment and Society
Political Science	Political Theory 1. Political Theory: An Introduction 2. Freedom 3. Equality 4. Social Justice 5. Rights 6. Citizenship 7. Nationalism

	8. Secularism Indian Constitution 1. Constitution: Why and How? 2. Rights in the Indian Constitution 3. Election and Representation 4. Executive 5. Legislature 6. Judiciary 7. Federalism 8. Local Governments 9. Constitution as a Living Documents 10. The Philosophy of the Constitution
Financial Markets Management	Employability Skills Unit 1 : Communication Skills Unit 2 : Self-Management Skills Unit 3 : ICT Skills Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills Subject Specific Skills Unit 1: Markets and Financial Instruments Unit 2: Primary and Secondary Market Unit 3: Mutual Funds Products and Features Unit 4: ETFs, Debt and Liquid Funds Unit 5: Taxation and Regulations Unit 6 : Quantitative Evaluation of Mutual Fund Schemes
Web Application	Employability Skills Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Unit 3 : ICT Skills-III Unit 4 : Entrepreneurial Skills-III Unit 5 : Green Skills-III Subject Specific Skills Unit 1: Basics of Networking and Web Architecture Unit 2: Website Development using HTML and CSS Unit 3: Multimedia Design- GIMP Unit 4: Introduction to Dynamic Websites using JavaScript
Food, Nutrition & Dietetics	Unit 1-Food Nutrition Basic Concept Unit 2-Nutrition through Life Cycle Unit 3-Public Health and Nutrition Basic concept Unit 4- Public Health and Nutrition Disorders Unit 5- Public Health Programmes and Policies Unit 6-Nutrition Education ,Communication and Behaviour Change Employability Skill -Communication skill -Self Manager skill

	<ul style="list-style-type: none"> -ICT Skill -Entrepreneur skill -Green skill
Mass Media Studies	<p>Subject skills:</p> <ul style="list-style-type: none"> Unit 1 - Introduction to mass media Unit 2 - Evolution of Media Unit 3 - Understanding Media Unit 4 - Pre-Production Skills <p>Films: Madras cafe, Chak de! India</p> <p>Employability skills:</p> <ul style="list-style-type: none"> Communication skills IT skills Green skills Entrepreneurial skills Self-motivation skills
Fashion Studies	<ul style="list-style-type: none"> Chapter 1: (introduction of fashion) Chapter 2: (introduction of fabrics, dyeing and printing). Chapter 3: (fundamentals and principles of design) Chapter 4(sewing machines) <p>Employability skills</p> <p>full employability book</p>