

SYLLABI FOR MID SEM 1 AND SELECTION FOR CLASSES 11 AND 12

Subject	Class XI (Mid Semester 1)	Class XII (Selection)
English	<p>1.Unseen Comprehension, note making</p> <p>Grammar 1.Functional Grammar</p> <p>Literature 1.The Summer of the beautiful white horse 2.The Portrait of a Lady 3. A Photograph 4.We are not afraid to die. ...if we can all be together</p> <p>Writing 1. Letter to the editor 2. Letter of enquiry</p>	<p>Unseen Comprehension Notice Formal and Informal Invitation and Reply Letter to the Editor Article Report Writing The Last Lesson The Enemy Lost Spring Deep Water The Third Level The Tiger King On The Face of It Journey to the End of the Earth My Mother at 66 Aunt Jennifer's Tigers A Roadside Stand</p>
Math	<p>1. Sets 2. Relations and Functions 3. Trigonometry 4. Complex Numbers 5. Linear Inequalities</p>	<p>1. Relations and Functions 2. Inverse trigonometric functions 3. Matrices 4. Determinants 5. Continuity and differentiability 6. Application of Derivatives 7. Indefinite Integral 8. Definite Integral 9. Application of Integrals</p>
Appl Math	<p>1. Binary numbers 2. Indices, Logarithm and Antilogarithm. 3.Averages, Clocks and Calander 4. Time, work and distance. 5.Mensuration and seating arrangement 6.Set theory</p>	<p>1. Numbers, Quantification and Numerical applications 2. Matrices and Determinants 3.Second order Derivatives and it's applications 4. Integration 5.Differential equations and it's application.</p>
Physics	<p>1. Dimensional analysis and errors 2. Motion in a straight line 3. Motion in a plane 4. Newtons laws of motion 5. Work Power energy 6. Gravitation.</p>	<p>1. Electrostatics 1 and 2 2. Current Electricity 3. Magnetic effect of current and Magnetism 4. Ray and wave optics 5. Dual nature of matter and radiation 6. Atomic nucleus 7. Semiconductor and devices.</p>
Chemistry	<p>Basic concepts of Chemistry Hydrocarbons (Nomenclature, Preparation, properties of Hydrocarbons)</p>	<p>1. Haloalkanes and haloarenes 2. Alcohol, phenols and ethers 3. Aldehydes, ketone and carboxylic acids</p>

		<p>4. Organic compounds containing Nitrogen</p> <p>5. Biomolecules</p> <p>6. d and f block elements</p> <p>7. Coordination compounds</p>
Biology	<p>1. Cell</p> <p>2. Cell division</p> <p>3. Biomolecules</p> <p>4. Living World</p> <p>5. Biological Classification</p> <p>6. Plant Kingdom</p> <p>7. Animal Kingdom</p>	<p>1. Reproduction in organisms</p> <p>2. Sexual Reproduction in Flowering plants</p> <p>3. Human reproduction</p> <p>4. Reproductive health</p> <p>5. Principles of inheritance</p> <p>6. Molecular basis of inheritance</p> <p>7. Evolution</p>
Comp Sc	<p>Unit I: Computer Systems and Organisation</p> <p>Basic Computer Organisation, Boolean logic, Number system</p> <p>Unit II: Computational Thinking and Programming – 1</p> <p>Introduction to problem solving - Flowchart, Algorithm, Familiarization with the basics of Python programming, Knowledge of data types, Operators, Expression, Errors, Flow of Controls, Conditional Statements, Iterative Statements, Strings</p>	<p>Unit I: Computational Thinking and Programming - Revision of Python topics covered in Class XI, Functions, Text file, Binary file, CSV file, Data Structure: Stack</p> <p>Unit III: Database Management</p> <p>Relational data model, Structured Query Language</p>
Economics	<p>1. Introduction to Microeconomics</p> <p>2. Consumer Equilibrium (Cardinal and Ordinal)</p> <p>3. Demand and Elasticity of demand</p> <p>4. Introduction to Statistics including Graphical representation</p> <p>5. Mean, Median and Mode</p>	<p>1. National Income Accounting</p> <p>2. National Income Determination</p> <p>3. Money and Banking</p> <p>4. Government Budget</p> <p>5. Foreign Exchange and BOP</p> <p>6. Indian Economy on the eve of independence</p> <p>7. Indian Planning system from 1950 to 1990</p> <p>8. New Economic Policy</p> <p>9. Poverty</p>
Accountancy	<p>Meaning of Objectives of Accounting</p> <p>Basic Accounting Terms</p> <p>Accounting Principles</p> <p>Accounting Equation</p> <p>Journal</p> <p>Ledger</p> <p>Trial Balance</p> <p>Cash Book.....</p>	<p>Issue of Shares (Presentation of Share Capital in Balance sheet)</p> <p>Issue of Debentures...</p> <p>Financial Statement Analysis: (Company Balance sheet and Statement of P&L)</p> <p>Financial Statement Analysis.....</p> <p>Ratio Analysis...</p> <p>Partnership Fundamentals....</p> <p>Partnership Admission:</p>

		(Goodwill; Valuation of Goodwill; Accounting Treatment of Goodwill; Calculation of Sacrificing Ratio, New Profit Ratio)
Business Std	Unit 1: Nature and Purpose of Business Unit 2: Forms of Business Organization	Nature and Significance of Management; Principles of Management; Business Environment; Planning; Organising; Staffing; Controlling; Marketing; Directing (Meaning; Definition of elements of Directing; Supervision; Leadership -in details)
Ent Dev	UNIT 1- Entrepreneurship Functions UNIT 2- An entrepreneur UNIT 3- Entrepreneurial Journey UNIT 4- Till Social Entrepreneurship.	Unit 1-Entrepreneurial Opportunity Unit 2- Enterprise Planning Unit 3- Enterprise Marketing Unit 4- Enterprise Growth Strategies Unit 5- Business Arithmetic (sums on BEP, ROI/ROE, EOQ/ROP, WORKING CAPITAL, UNIT COST/PRICE)
Psychology	1) Ch 1. What is psychology? 2) Ch 2 Methods of Enquiry in Psychology 3) Ch 3 The Bases of Human Behaviour (till pg 54. Genes)	1) Variation in psychological attributes 2) Self and personality 3) Coping with life challenges 4) Psychological disorders
Legal Std	Unit 1: Introduction to Political Institutions Chapter 1: Concept of State Chapter 2: Forms and Organs of Government Chapter 3: Separation of Powers Unit 2: Basic Features of Constitution of India Chapter 1: Salient Features of Constitution of India	Unit 1: Judiciary Unit 2: 1.Law of Property 2.Law of Contracts 3.Law of Torts 4.Introduction to Criminal Laws in India Unit 3: Arbitration, Tribunal Adjudication and Alternative Dispute Resolution Unit 4: Human Rights in India
Sociology	Sociology and Society Terms, Concepts and their use in Sociology Understanding Social Institutions	Demographic Structure of the Indian Society Social Institutions Patterns of Social Inequality and Exclusion Challenges of Cultural Diversity Structural Change Cultural Change
Pol Sc.	Constitution - Why and How? Election and Representation Equality	Challenges of Nation Building Era of One-Party Dominance

	Freedom	Challenges to and Restoration of the Congress System Crisis of Democratic Order Recent Developments in Indian Politics End of Bipolarity Alternative Centres of Power Contemporary South Asia
P. E	NA	1. Chap.1: Management of sporting Event 2. Chap-2: Women and children in sports. 3. Chap-3: Yoga and life style 4. Chap-4: Physical Education and sports for SWSN. 5. Chap-5: Sports and Nutrition.
History	NA	Part 1 Bricks, beads and bones Kings farmers and towns Kingship caste and class Thinkers belief and buildings Part 2 Bhakti and Sufi tradition Imperial capital . Vijayanagar Part 3 Colonialism and countryside Rebels and Raj Mahatma Gandhi and national movement till civil disobedience .
Geography	BOOK 1: Fundamentals of Physical Geography UNIT 1 : CHAPTER 1 GEOGRAPHY AS A DISCIPLINE UNIT 2: CHAPTER 2 THE ORIGIN AND EVOLUTION OF THE EARTH UNIT 6: CHAPTER 15 LIFE ON THE EARTH	NA
Com Art	NA	Mughal miniature painting, Deccan miniature painting, national Flag, & Bengali school painting. Practical -illustration -National Events. Poster- community and Nature Development
F.M.M	CHAPTER 1: Markets and financial instruments CHAPTER 2: Primary and secondary market	Unit 1: Introduction to Indian Securities Market and trading member Unit II: Trading Unit III: Clearing and settlement, legal framework Unit IV: Financial statement Analysis ICT & Self Management

Web App	<p><i>Employability Skill</i></p> <p>Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Unit 3 : ICT Skills-III</p> <p><i>Subject Specific Skill</i></p> <p>Unit 1 : BASICS OF NETWORKING AND WEB ARCHITECTURE Unit 2 : WEBSITE DEVELOPMENT USING HTML AND CSS</p>	<p>Unit 1 : Communication Skills Unit 2 : Self-Management Skills Unit 3 : ICT Skills</p> <p><i>Subject Specific Skills</i></p> <p>Unit 1: Movie Editing Tools Unit 2: Customizing and Embedding Multimedia Components in Web Pages Unit 3: Web Scripting – Java Script</p>
Nutrition	<p>1.UNIT 1 Food Basic Concept 2.UNIT 2-Nutrition through life cycle</p> <p>Employability skills 1. communication skill</p>	<p>1.UNIT 1-Principles of Clinical Therapeutic nutrition 2.UNIT 2-Diet in health and Disease</p> <p>Employability skill 1.Communication skill 2.Self management skill</p>
Mass Media	<p>Introduction to Mass Communication Aspects of communication Barriers to communication Understanding Cinema – 1 & 2 Movies – Rang De Basanti & Peepli Live</p>	<p>Unit 1 – Advertising Unit 2 – Introduction to Production – Film, TV, Print, Radio & Internet Movies – Pather Pachali, Swades & The Bicycle Thief</p> <p>Employability skills – Communication skills & Green skills</p>
Fashion Std	<p>Unit 1 overview of fashion Employability skills (self- management skills)</p>	<p>Unit 2 basic of pattern making Unit 2 self-management skills</p>