SYLLABI FOR SEMESTER 1 AND PB 1 FOR CLASSES 11 AND 12

Subject	Class XI (Semester 1)	Class XII (Pre Board 1)
English	Reading skill: 1.Unseen Comprehension (s) 2.Note Making Writing skill: 1.Poster 2.Speech 3.Debate 4. Classified Advertisements Grammar: Functional Grammar Literature: 1.The Laburnum Top 2. Voice of the Rain 3.The Portrait of a Lady 4. The Summer of the Beautiful White Horse 5.We Are not Afraid to die, if We Can All Be Together 6.A Photograph 7.The Address 8.Discovering Tut	Reading skill: 1.Unseen Comprehension Writing skill: 1.Notice 2.Formal and Informal 3Invitation and Reply 4.Letter of Application 5.Article 6.Report Writing Literature 1.The Last Lesson 2.The Enemy 3 Lost Spring 4.Deep Water 5 The Third Level 6.The Tiger King 7.On The Face of It 8.Journey to the End of the Earth 9.My Mother at 66 10.Aunt Jennifer's Tigers 11.A Roadside Stand 12.Keeping Quiet 13.The Interview 14.Going places 15.A thing of beauty 16. Memories of Childhood 17.The Rattrap 18 .Poets and Pancakes
Math	1. Sets 2. Relations and Functions 3. Trigonometric Functions 4. Complex Numbers and Quadratic Equations 5. Linear Inequalities 6. Permutations and Combinations 7. Binomial Theorem 8. Sequences and Series	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Application of Derivatives 7. Integrals 8. Application of Integrals 9. Differential Equations 10. Vectors 11. Three Dimensional Geometry
Appl Math	1. Binary numbers 2. Indices, Logarithm and Antilogarithm. 3.Averages, Clocks and Calendar 4. Time , work and distance. 5.Mensuration and seating arrangement 6.Set theory 7.Sequence and Series 8. Permutation and	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.

	Combination 9.Introduction to straight lines	6.Probability distribution 7. Inferential Statistics
Physics	1. Dimensional analysis and error analysis 2. Motion in a straight line 3. Motion in a plane 4. Newtons laws of motion, circular motion 5. Work power energy 6. Center of mass, mi, rotational motion 7. Gravitation 8. Elasticity 9. Surface tension 10. Viscosity	1. Electrostatics 2. Current electricity 3. Magnetic effect of current 4. Magnetism 5. Electromagnetic induction and ac 6. Em waves 7. Ray and wave optics 8. Dual nature of matter 9. Atomic nucleus 10. Semiconductor and devices
Chemistry	• Basic concepts of Chemistry • Hydrocarbons (Nomenclature, • Preparation, properties of Hydrocarbons) • Atomic structure • Periodic table • Chemical bonding	1. Haloalkanes and haloarenes 2. Alcohol, phenols and ethers 3. Aldehydes, ketone and carboxylic acids 4. Organic compounds containing Nitrogen 5. Biomolecules 6. d and f block elements 7.Coordination compounds 8. Electrochemistry 9. Solutions
Biology	1. Cell 2. Cell division 3. Biomolecules 4. Living World 5. Biological Classification 6. Plant Kingdom 7. Animal Kingdom 8. Morphology of Flowering Plants 9. Anatomy of Flowering Plants 10. Structural Organisation in Animals 11. Photosynthesis in Higher Plants	1.Sexual reproduction in flowering plants 2.Human reproduction 3.Reproductive health 4.Principles of inheritance and variation 5.Molecular basis of inheritance 6.Evolution 7.Human health and disease 8.Biodiversity and conservation 9.Microbes in human welfare
Computer Science	Theory Computer Systems and Organisation Computational Thinking and Programming Introduction to problem solving: ● Familiarization with the basics of Python programming, ● Knowledge of data types, ● Operators, ● Expressions, statement, type conversion & input/output, ● Errors: syntax errors, logical errors, runtime errors, ● Flow of control, ● Conditional statements, ●	Computational Thinking and Programming Computer Networks Database Management

	Iterative statements, ● Strings, ● Lists and ● Tuple Practical Python Programming	
Economics	1) Central problems of an Economy 2) PPC 3) Consumer equilibrium (Both Cardinal and Ordinal) 4) Theory of Demand and Elasticity of Demand 5) Theory of Production and Cost 6) Revenue 7) Introduction to Statistics including Graph 8) Measures of Central Tendency	1) Money and Banking 2) Govt. Budget 3) BOP and Foreign Exchange 4) National Income Accounting 5) National Income Determination 6) India on the Eve of Independence 7) Indian Economic development (Period between 1947 and 1991) 8) New Economic Policy 9) Human Capital Formation 10) Rural development and Rural credit
Accountancy	Meaning of Objectives of Accounting; Basic Accounting Terms; Accounting Principles; Accounting Equation; Double Entry System; Source Documents of Accountancy; Journal; Ledger; Trial Balance; Cash Book; Petty Cash Book; Bank Reconciliation Statement; Rectification of Errors; Depreciation.	Topics: Issue of Shares (Presentation of Share Capital in Balance sheet) Issue of Debentures... Financial Statement Analysis: (Company Balance sheet and Statement of P&L) Financial Statement Analysis..... Ratio Analysis... Partnership Fundamentals.... Change in Profit Sharing Ratio; Admission of a Partner; Retirement of a Partner; Death of a Partner.
Business Studies	1. Evaluation and fundamentals of business 2. Forms of business organisation 3. Public private and global enterprises 4. Business services 5. Emerging modes of business	Book 1 Nature and Significance of Management; Principles of Management; Business Environment; Planning; Organising; Staffing; Controlling; Directing; Book-2 Marketing; Financial Management; Consumer Protection (Rights, Responsibilities, Reliefs)

Entrepreneurship Development	UNIT 1- Entrepreneurship Functions UNIT 2- An entrepreneur UNIT 3- Entreprneurial Journey UNIT 4- Innovative and Problem Solving UNIT 5- Concept of Market, Market Environment, Market Survey, Marketing Mix UNIT 6- BEP sums.	Unit 1-Entrpreneurial Opportunity Unit 2- Enterprise Planning U it 3- Enterprise Marketing Unit 4- Enterprise Growth Strategies Unit 5- Business Arithmetic (theory and sums of all categories) Unit 6- Angel investors, Venture Capital , Capital Market -Primary Market.
Psychology	1. What is Psychology ? 2. Methods of Enquiry in Psychology ? 3. The Bases of Human Behaviour 4. Human Development 5. Sensory , Attentional and perception .	1. Variation in Psychological Attributes 2. Self and Personality 3. Meeting Life Challenges 4. Psychological Disorders 5. Therapeutic Approaches 6. Attitude and Social cognition
Geography	Theory Unit 1 Chapter 1 Geography as a discipline Unit ii Chapter 2 The origin and evolution of the earth. Chapter 3 Interior of the earth Chapter 4 Distribution of oceans and continents Unit iii Chapter 5 Minerals and rocks Chapter 6 Geomorphic processes Chapter 7 Landforms and their evolution Unit vi Chapter 15 Life on the earth Chapter 16. Biodiversity and conservation Practical Chapter 1 Introduction to maps Chapter 2 Map scale Chapter 5 Topographical maps Chapter 6 Introduction to aerial photographs.	NA
Legal Studies	Unit 1: Introduction to Political Institutions 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:

	Unit 3: Jurisprudence, Nature and Sources of Law Chapter 2: Classification of laws Chapter 3: Sources of laws Chapter 4: Law reforms	Arbitration, Tribunal Adjudication and Alternative Dispute Resolution Unit 4: Human Rights in India Unit 5: Legal Profession in India Unit 6: Legal Services
Sociology	•Sociology And Society •Terms, Concepts and Their Use in Sociology •Understanding Social Institutions • Culture And Socialisation	1. The demographic structure of the Indian society 2. Social institutions- continuity and change 3. Patterns of social inequality and exclusion 4. The challenges of cultural diversity 5. Structural change 6. Cultural change 7. Change and development in rural society 8. Change and development in industrial society
Political Science	•Constitution: Why and How? •Election and Representation •Executive •Legislature •Political Theory •Equality •Freedom •Social Justice	1.Challenges of Nation Building 2.Era of One party Dominance 3. Challenges and Restoration of Congress System 4.Crisis of Democratic Order 5. Recent Developments in Indian Politics 6. India's External Relations 7.End of Bipolarity 8.Contemporary South Asia 9.Alternative Centres of Power 10.International Organisations 11.Security in Contemporary World.
P. E	**NA**	1.Management of sports event. 2.women and children in sports 3.yoga and life style 4.physucal Education and sports for SWAN. 5.Sports and Nutration. 6.Test and Masuramement. 7.physiology in sports. 8.sports medicin.
History	**NA**	Part 1 1) Harappan civilization 2)Kings farmers and towns 3) Kingship caste and towns 4) Thinkers,beliefs and buildings Part 2

		5) Through the eyes of the travellers 6) Bhakti and Sufi traditions 7) Imperial capital... Vijayanagar 8) Peasants,Zamindars and the state (page 205) Part 3 9)Colonialism and the countryside 10) Rebels and the Raj 11) Mahatma Gandhi and National Movement 12) Framing the constitution 13) map work
Commercial Art	**NA**	Mughal miniature, Rajasthani ,Pahari, Deccan miniature paintings Bengali school.National Flag .Modern painting, Graphics & Sculptures
F.M.M	1. Market and financial instruments 2. Primary and secondary market 3. Mutual fund products and features Employability skills 1. Self management skills 2. ICT skills	1. Introduction to Indian securities market and trading membership 2. Trading 3. Clearing and settlement, legal framework 4. Financial statement analysis 5. Introduction to derivatives Employability skills 1. Self management skills 2. ICT skills 3. Entrepreneurial skills
Web Application	Theory EMPLOYABILITY SKILLS Unit 4 : Entrepreneurial Skills-IV Subject Specific Skill - Unit-1 BASICS OF NETWORKING AND WEB ARCHITECTURE Unit -2 WEBSITE DEVELOPMENT USING HTML AND CSS UNIT-3 MULTIMEDIA DESIGN – GIMP (Session 1,2,3) Practical Unit -2 WEBSITE DEVELOPMENT USING HTML AND CSS UNIT-3 MULTIMEDIA DESIGN – GIMP (Session 1,2,3)	EMPLOYABILITY SKILLS Unit 3: Information and Communication Technology Skills Unit 4: Entrepreneurial Skills Unit 5: Green Skills SUBJECT SPECIFIC SKILLS Unit 1: Movie Editing Tools Unit 2: Customizing and Embedding Multimedia Components in Web Pages. Unit 3: Web Scripting – Java Script Unit 4: Work Integrated Learning IT – WA-II (Advanced Features of Web Design. Add-ins / Snippets. Dynamic Web templates. SEO - Search Engine Optimization.
Food Nutrition & Dietetics	Unit 1-food and nutrition -basic concept Unit 2-nutrition through life cycle Unit 3-public health and nutrition- basic concept Employbility skill	Unit 1-clinical and therapeutic nutrition Unit 2-nutrition and adaptation to therapeutic diets

	Communication skill Self managment skill	Unit 3- diabetes, hypertension ,jaundice /hepatitis Employbility skill Communication skill Self Management skill
Mass Media Studies	Employability skills - Communication skills & Green Skills Subject skills - Unit 1 - Introduction to communication Unit 2 - Evolution of media (Film, TV, Print, Radio & Internet) Movie : Rang de Basanti, Peepli Live & Taare Zameen Par	Employability skills - IT skills Self management Entrepreneur Subject skills - Unit 1 : Advertising Unit 2: Production (Film, TV, Print, Radio & Internet) Unit 3: Convergence of communication Unit 4: Creative contribution by key people in Film, TV, Print, Radio & Internet Movies: Pather Panchali, Swades, Chak de India & Bicycle Thief
Fashion Studies	unit 2 Introduction of fabrics (dyeing and printing) unit 3 (design fundamentals). Employablity skills Green skills and Entrepreneurial skills	chapter 2(basic pattern development) chapter 3 (elements of fashion) (page no 55 to page 146) . Employablity SKills ICT skills and Entrepreneurial skills