

Subject Wise Syllabus (Session: 2024-25) Class XII (Commerce)

First Unit Test		
English	Flamingo	1. The Last Lesson 2. Lost Spring
	Vistas	1. The Third Level 2. The Tiger King 3. Journey to the end of the Earth
	Poetry	1. My Mother at Sixty Six
	C.W. Skills	1. Notice 2. Invitation (Formal and Informal; and Reply)
	Reading Skills	1. Unseen Passage (factual, descriptive, literary) 2. Unseen Passage (case-based)
Maths	Ch-1. Relations and Functions: Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions Ch-2. Inverse Trigonometric Functions: Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.	
Economics	Indian Economic Development	Unit 6: Development Experience (1947-90) and Economic Reforms since 1991: A brief introduction of the state of Indian economy on the eve of independence. Indian economic system and common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy, etc.), industry (IPR 1956: SSI- role and importance.) and foreign trade.
	Macro Economics	Unit 1: National Income and related aggregates: What is macro-economics? Some basic concepts: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation. Circular flow of income (two sector model) Methods of calculating National Income–Value Added or Product method, Expenditure method, Income method.
Accountancy	Part – A Chapter - 1: Accounting for Partnership Firms - Fundamentals <ul style="list-style-type: none"> Partnership: features, Partnership Deed. Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits. Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio). Note: Interest on partner's loan is to be treated as a charge against profits or by raising and writing off goodwill (AS 26). Chapter–2: Reconstitution of a Partnership Firm- Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio, accounting for revaluation of assets and reassessment of liabilities and treatment of reserves and accumulated profits. Preparation of revaluation account and balance sheet. <ul style="list-style-type: none"> Goodwill: nature, factors affecting and methods of valuation - average profit, super profit and capitalization. Note: Goodwill to be adjusted through partners capital/current account.	
B.Std.	Unit 1: Nature and Significance of Management: Management-concept, objectives, and importance, Management as Science, Art and Profession Levels of Management, Management functions-planning, organizing, staffing, directing and controlling, Coordination- concept and importance. Unit 2: Principles of Management: Principles of Management- concept and significance, Fayol’s principles of management, Taylor’s Scientific management- principles and Techniques.	

B.Std.	Unit 3: Business Environment: Business Environment- concept and importance, Dimensions of Business Environment- Economic, Social, Technological, Political and Legal. Demonetization - concept and features.
I.P.	Unit 2: Database Query using SQL : Revision of database concepts and SQL commands covered in class XI Math functions: POWER (), ROUND (), MOD (). Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING() /SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM (). Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME (). Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*). Querying and manipulating data using Group by, Having, Order by. Working with two tables using equi-join
Phy. Edu.	Unit I: Management of Sporting Events <ol style="list-style-type: none"> Functions of Sports Events Management (Planning, Organising, Staffing, Directing & Controlling) Various Committees & their Responsibilities (pre; during & post) Fixtures and their Procedures – Knock-Out (Bye & Seeding) & League (Staircase, Cyclic, Tabular method) and Combination tournaments. Intramural & Extramural tournaments – Meaning, Objectives & Its Significance Community sports program (Sports Day, Health Run, Run for Fun, Run for Specific Cause & Run for Unity) Unit II: Children & Women in Sports <ol style="list-style-type: none"> Exercise guidelines of WHO for different age groups. Common postural deformities-knock knees, flat foot, round shoulders, Lordosis, Kyphosis, Scoliosis, and bow legs and their respective corrective measures. Women’s participation in Sports – Physical, Psychological, and social benefits. Special consideration (menarche and menstrual dysfunction) Female athlete triad (osteoporosis, amenorrhea, eating disorders).
Max. Marks : 25 Min. Marks : 08 Time : 1.30 Hours	
Note for Exam. : Students will bring their next day's examination books and notebooks	

Second Unit Test		
English	Flamingo	3. Deep Water 4. The Rattrap
	Vistas	4. The Enemy
	Poetry	2. Keeping Quiet
	C.W. Skills	3. Letters (a) Application for a job with bio-data or resume (b) Letter to the Editor
Maths	Reading Skills	1. Unseen Passage (factual, descriptive, literary) 2. Unseen Passage (case-based)
	Ch-3. Matrices: Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices; Addition, multiplication and scalar multiplication of matrices, simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries). Ch-4. Determinants: Determinant of a	

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Maths	square matrix (up to 3 x 3 matrices), minors, cofactors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix. Ch-5. Continuity and Differentiability: Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like $\sin^{-1}x$, $\cos^{-1}x$ and $\tan^{-1}x$, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Ch-6. Applications of Derivatives: Applications of derivatives: rate of change of bodies, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).	
Economics	Indian Economic Development	Economic reforms since 1991: Features and appraisals of liberalisation, globalisation and privatisation (LPG Policy); concepts of demonetization and GST. Rural development: Key issues – credit and marketing – role of cooperatives; agricultural diversification; alternative farming – organic farming.
	Macro Economics	Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost; Real and Nominal GDP. GDP Deflator, GDP and Welfare. Unit 2: Money and Banking: Money - meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks.
Accountancy	Part – A Chapter – 3: Admission of a partner – effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, treatment of reserves and accumulated profits & losses, adjustment of capital accounts and preparation of capital, current and balance sheet. Chapter – 4: Retirement and death of a partner: effect of retirement / death of a partner on change in profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, adjustment of accumulated profits and reserves, adjustment of capital accounts and preparation of balance sheet. Preparation of loan account of the retiring partner. Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account. Part – B Chapter – 1: Financial statements of a company: Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in the prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013). Note: Exceptional items, extraordinary items and profit (loss) from discontinued operations are excluded. Chapter – 2: Financial Statement Analysis: Objectives, importance and limitations. Chapter – 3 : Comparative Statement, Chapter – 4 : Common Size Statement.	
B.Std.	Unit 4: Planning: Concept, importance and limitation, Planning process, Single use and standing plans. Objectives, Strategy, Policy, Procedure, method Rule, budget and	

B.Std.	Programme. Unit 5: Organising: Concept and importance, Organising Process, Structure of organisation- functional and divisional concept. Formal and informal organisation- concept, Delegation: concept, elements and importance, Decentralization: concept and importance. Unit 6: Staffing: Concept and importance of staffing, Staffing as a part of Human Resource Management concept, Staffing process, Recruitment process, Selection- process, Training and Development- Concept and importance, Methods of training- on the job and off the job- Induction training, vestibule training, apprenticeship training and internship training.	
I.P.	Unit 1: Data Handling using Pandas and Data Visualization: Data Handling using Pandas –I Introduction to Python libraries- Pandas, Matplotlib. Data structures in Pandas - Series and Data Frames. Series: Creation of Series from – ndarray, dictionary, scalar value; mathematical operations; Head and Tail functions; Selection, Indexing and Slicing. Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration; Operations on rows and columns: add, select, delete, rename, Head and Tail functions, indexing using labels, Boolean indexing; Importing/Exporting Data between CSV files and Data Frames.	
Phy. Edu.	Unit III: Yoga as Preventive measure for Lifestyle Disease 1. Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha – Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhan pranayama. 2. Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati. 3. Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasan-a, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana Matsyaasana, Anuloma-Viloma. 4. Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, UttanMandukasan-a, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi- shodhanapranayam, Sitlipranayam. 5. Back Pain and Arthritis: Procedure, Benefits & Contraindications of Tadasana, Urdhwahastootansana, Ardh-Chakrasana, Ushtrasana, Vakrasana, Sarala Matsyendrasana, Bhujandgasana, Gomukhasana, Bhadrasana, Makarasana, Nadi-Shodhana pranayama. Unit IV: Physical Education and Sports for CWSN (Children with Special Needs - Divyang) 1. Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics) 2. Concept of Classification and Divisioning in Sports. 3. Concept of Inclusion in sports, its need, and Implementation; 4. Advantages of Physical Activities for children with special needs. 5. Strategies to make Physical Activities assessable for children with special needs.	
Max. Marks : 25		Min. Marks : 08
Time : 1.30 Hours		
Note for Exam. : Students will bring their next day's examination books and notebooks		

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First Term Exam (+1st Unit + 2nd Unit)

English	Flamingo	5. Indigo 6. Poets and Pancakes
	Vistas	5. On the Face of It
	Poetry	3. A Thing of Beauty 4. A Roadside Stand
	C.W. Skills	4. Article 5. Report writing
	Reading Skills	1. Unseen Passage (factual, descriptive, literary) 2. Unseen Passage (case-based)
Maths	<p>Ch-7. Integrals: Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problem based on them.</p> $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}$ $\int \frac{px + q}{ax^2 + bx + c} dx, \int \frac{px + q}{\sqrt{ax^2 + bx + c}} dx, \int \sqrt{a^2 \pm x^2} dx, \int \sqrt{x^2 - a^2} dx$ $\int \sqrt{ax^2 + bx + c} dx,$ <p>Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p> <p>Ch-8. Applications of the Integrals: Applications in finding the area under simple curves, especially lines, circles/parabolas/ellipses (in standard form only).</p> <p>Ch-9. Differential Equations: Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, homogeneous differential equations of first order and first degree.</p> <p>Solutions of linear differential equation of the type: $\frac{dy}{dx} + py = q$, where p and q are functions of x or constant, $\frac{dx}{dy} + px = q$, where p and q are functions of y or constant.</p>	
Economics	Indian Economic Development	Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India Employment: Growth and changes in workforce participation rate in Formal and informal sector, problems and policies.
	Macro Economics	Unit 2: Money and Banking: Money – meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement. Unit 3: Determination of Income and Employment: Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short-run

Economics	<p>equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.</p>
Accountancy	<p>Part – A Chapter – 5: Dissolution of a partnership firm: meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s)).</p> <p>Note: (i) If the realized value of tangible assets is not given it should be considered as realized at book value itself. (ii) If the realized value of intangible assets is not given it should be considered as nil (zero value). (iii) In case, the realization expenses are borne by a partner, clear indication should be given regarding the payment thereof.</p> <p>Part – B Chapter – 5: Tool for Financial Analysis - Accounting Ratios: Meaning, Objectives, classification and computation. Liquidity Ratios: Current ratio and Quick ratio. Solvency Ratios: Debt to Capital employed Ratio, Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables. Turnover Ratio, Fixed Asset Turnover Ratio and Working Capital Turnover, Ratio. Profitability Ratios: Gross Profit Ratio, Operating, Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment.</p> <p>Chapter - 6: Cash Flow Statement : Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only).</p>
B.Std.	<p>Unit 7: Directing: Concept and importance, Elements of Directing, Motivation-concept, Maslow's hierarchy of needs, Financial and non financial incentives, Leadership-concept, styles- authoritative, democratic and laissez faire, Communication- concept, formal and informal communication; barriers to effective communication, how to overcome the barriers. Unit 8: Controlling: Concept and importance, Relationship between planning and controlling, Steps in process of control. Unit 9: Financial Management: Concept, role and objectives of Financial Management, Financial decisions: investment, financing and dividend- Meaning and factors affecting, Financial Planning- concept and importance, Capital Structure- Concept, Fixed and Working Capital- Concept and factors affecting their requirements.</p>
I.P.	<p>Data Visualization : Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot, bar graph, histogram, Customizing plots: adding label, title, and legend in plots.</p>
Phy.Edu.	<p>Unit V: Sports & Nutrition</p> <ol style="list-style-type: none"> 1. Concept of balanced diet and nutrition 2. Macro and Micro Nutrients: Food sources & functions 3. Nutritive & Non-Nutritive Components of Diet 4. Eating for Weight control – A Healthy Weight, The Pitfalls of Dieting, Food Intolerance, and Food Myths 5. Importance of Diet in Sports-Pre, During and Post competition Requirements <p>Unit VI: Test & Measurement in Sports</p> <ol style="list-style-type: none"> 1. Fitness Test – SAI Khelo India Fitness Test in school: Age group 5-8 years/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test

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Phy.Edu.	Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Partial Abdominal Curl Up, Push-Ups for boys, Modified Push-Ups for girls). 2. Measurement of Cardio-Vascular Fitness – Harvard Step Test – Duration of the Exercise in Seconds x100/5.5 X Pulse count of 1-1.5 Min after Exercise. 3. Computing Basal Metabolic Rate (BMR) 4. Rikli & Jones - Senior Citizen Fitness Test <input type="checkbox"/> Chair Stand Test for lower body strength <input type="checkbox"/> Arm Curl Test for upper body strength <input type="checkbox"/> Chair Sit & Reach Test for lower body flexibility <input type="checkbox"/> Back Scratch Test for upper body flexibility <input type="checkbox"/> Eight Foot Up & Go Test for agility <input type="checkbox"/> Six-Minute Walk Test for Aerobic Endurance 5. Johnsen – Methney Test of Motor Educability (Front Roll, Roll, Jumping Half-Turn, Jumping full-turn)	
Max. Marks : 50	Min. Marks : 17	Time : 3.00 Hours
Note for Exam. : Students will bring their next day's examination books and notebooks		
Second Term Exam. (+ 1st Unit + 2nd Unit + 1st Term)		
English	Flamingo	7. The Interview 8. Going Places
	Vistas	6. Memories of Childhood
	Poetry	5. Aunt Jennifer's Tigers
	C.W. Skills	All topics
	Reading Skills	1. Unseen Passage (factual, descriptive, literary) 2. Unseen Passage (case-based)
		Project Work
Maths	Ch-10. Vectors: Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, Properties and application of Scalar (dot) product of vectors. Vector (cross) product of vectors. Ch-11. Three - dimensional Geometry: Direction cosines and direction ratios of a line joining two points. Cartesian and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines. Ch-13. Probability: Conditional probability, multiplication theorem on probability. independent events, total probability, Baye's theorem, Random variable and its probability distribution, mean. Ch-12. Linear Programming: Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).	
Economics	Indian Economic Development	Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming. Unit 8: Development Experience of India: A comparison with neighbours: India and Pakistan, India and China. Issues: Economic growth, population,

		sectoral development and other Human Development Indicators.
Economics	Macro Economics	Unit 4: Government Budget and the Economy Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure – revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit: their meaning, balance, surplus and deficit budget. Unit 5: Balance of Payments: Balance of payments account - meaning and components; balance of payments deficit and surplus. Foreign exchange rate-meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate. Managed Floating exchange rate system.
Accountancy	Chapter – 7: Accounting for Companies: Accounting for share Capital <ul style="list-style-type: none"> • Features and types of companies • Share and share capital : nature and types • Accounting for share capital: issue and allotment of equity shares and preference shares, Public subscription of shares - over subscription and under subscription of shares; Issue at par and at premium and calls in advance and arrears, issue of shares for consideration other than cash. • Concept of Private Placement and Employee Stock Option Plan (ESOP). • Accounting treatment of forfeiture and re-issue of shares. • Disclosure of share capital in company's Balance Sheet only. Chapter – 8: Accounting for Debentures <ul style="list-style-type: none"> • Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures. Writing off discount / loss on issue of debentures. Note: Discount or loss on issue of debentures to be written off in the year debentures are allotted from Security Premium Reserve (if it exists) and then from Statement of Profit and Loss as Financial Cost (AS 16).	
B.Std.	Unit 10: Financial Markets: Financial Markets: Concept, Money market-concept, Capital market and its types (primary and secondary), Stock Exchange- Functions and trading procedure, Securities and Exchange Board of India (SEBI) - objectives and functions. Unit 11: Marketing Management: Marketing- Concept, Functions and philosophies, Marketing Mix – Concept and elements, Product - branding, labelling and packaging - Concept, Price- Concept, Factors determining price, Physical Distribution - concept and components, channels of distribution. Promotion – Concept and elements; advertising, personal selling, sales promotion, public relations. Unit 12: Consumer Protection: Concept and importance, The Consumer Protection Act 2019, Meaning of consumer, Rights and responsibilities of consumers, Who can file a complaint? Redressal machinery, Remedies available. Consumer awareness- Role of consumer organizations and Non-Governmental Organizations (NGOs). Unit 13: Project Work	

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I.P.	<p>Unit 3: Introduction to Computer Networks: Introduction to networks, Types of network: LAN, MAN, WAN. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh. Introduction to Internet, URL, WWW and its applications- Web, email, Chat, VoIP. Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies. Unit 4: Societal Impacts: Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. E-waste: hazards and management. Awareness about health concerns related to the usage of technology.</p>
Phy.Edu.	<p>Unit VII: Physiology & Injuries in Sport</p> <ol style="list-style-type: none"> 1. Physiological factors determining components of physical fitness 2. Effect of exercise on the Muscular System 3. Effect of exercise on the Cardio-Respiratory System 4. Physiological changes due to aging 5. Sports injuries: Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted) <p>Unit VIII: Biomechanics and Sports</p> <ol style="list-style-type: none"> 1. Newton's Law of Motion & its application in sports 2. Types of Levers and their application in Sports. 3. Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports 4. Friction & Sports 5. Projectile in Sports <p>Unit IX: Psychology and Sports</p> <ol style="list-style-type: none"> 1. Personality; its definition & types (Jung Classification & Big Five Theory) 2. Motivation, its type & techniques. 3. Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it 4. Meaning, Concept & Types of Aggressions in Sports 5. Psychological Attributes in Sports – Self-Esteem, Mental Imagery, Self-Talk, Goal Setting <p>Unit X: Training in Sports</p> <ol style="list-style-type: none"> 1. Concept of Talent Identification and Talent Development in Sports 2. Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle. 3. Types & Methods to Develop – Strength, Endurance, and Speed. 4. Types & Methods to Develop – Flexibility and Coordinative Ability. 5. Circuit Training - Introduction & its importance
<p>Max. Marks : 100 (Th: 70 + Pr. 30) Min. Marks : 33 Time : 3.00 Hours</p>	
<p>Note for Exam. : Students will bring their next day's examination books and notebooks</p>	

SR.	SUBJECT	NAME OF THE BOOK(S)	PUBLISHER
1	A/C	APC ACCOUNTING -PART -I	AVICHAL PUBLISHING COMPANY
2	A/C	APC ACCOUNTING -PART -II	AVICHAL PUBLISHING COMPANY
3	A/C	ACCOUNTING PART -I (NOT FOR PROFIT)	NCERT
4	A/C	ACCOUNTING PART -II (FSA CUM CA)	NCERT
5	B.ST	BUSINESS STUDIES	VK GLOBAL PUBLICATIONS
6	B.ST	BUSINESS STUDIES PART I	NCERT
7	B.ST	BUSINESS STUDIES PART II	NCERT
8	ECO.	INDIAN ECONOMIC DEVELOPMENT	V.K. PUBLICATIONS
9	ECO.	INTODUCTORY MACROECONOMICS	V.K. PUBLICATIONS
10	ECO.	INDIAN ECONOMIC DEVELOPMENT	NCERT
11	ECO.	INTRODUCTORY MACROECONOMICS	NCERT
12	I.P	INFORMATICS PRACTICES	DHANPAT RAI & COMP.
13	I.P	PRACTICAL FILE (I.P.)	J.B. PUBLISHING HOUSE
14	ENG.	GUIDE - ENGLISH CORE	LAXMI Pub.
15	ENG.	FLAMINGO (ENG.)	NCERT
16	ENG.	VISTAS (ENG.)	NCERT
17	P.ED.	PHYSICAL EDUCATION	SARASWATI PUBLICATION

Pre-Board Exam. (Whole Syllabus)

Max. Marks : 100 (Th: 70 + Pr. 30) Min. Marks : 33 Time : 3.00 Hours