

Syllabus 2020-21

GRADE 9

SUBJECT AND TEXTBOOK USED		Deleted portions to be added here
ENGLISH		
MAIN TEXT [BEEHIVE]	The Fun They Had	Beehive- [main text]
	The Sound of Music [PART 1 & 2]	1. The Lake Isle Of Innisfree
	The Little Girl	2. The Snake and the Mirror
	A Truly Beautiful Mind	3. The Duck and the Kangaroo
	My Childhood	4. Kathmandu
	Packing	5. A Slumber Did My Spirit Seal
	Reach for the Top [PART 1 & 2]	
	The Bond of Love	
	If I Were You	
MAIN TEXT [BEEHIVE]	The Road Not Taken	
	Wind	
	Rain on the Roof	
	A Legend of the Northland	
	No Men Are Foreign	
	On Killing a Tree	
	The Snake Trying	
SUPPLEMENTARY READER [MOMENTS]		Moments- [supplementary text]
	The Lost Child	1. Iswaran the Storyteller
	The Adventures of Toto	2. The Accidental Tourist
	In the Kingdom of Fools	
	The Happy Prince	
	Weathering the Storm in Ersama	
	The Last Leaf	
	A House Is Not A Home	
	The Beggar	
WORDS AND EXPRESSION I [WORKBOOK]	Unit-1 to 11	
	CREATIVE WRITING	
	1)Descriptive Paragraph Writing on a person (100-120 words) OR 2)Diary entry based on visual or verbal cues	1.Letter on a situation 2. Descriptive Paragraph on a place/event
	Writing a story on the basis of given cue/s in about (100-120 words)	

	INTEGRATED GRAMMAR	
	Tenses, Modals, Subject Verb Concord, Reported Speech(commands and requests, statements, questions), Determiners	1. Use of passive Voice, 2. Clauses: noun, adverb clause of condition and time, relative, 3. Prepositions
MATHS	1.Number System	Representation of terminating / non-terminating recurring decimals on the number line through successive magnification. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number. Definition of nth root of a real number.
	2.Polynomials	Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. $x^3+y^3+z^3-3xyz$
	3. Coordinate Geometry	No deletion
	4. Linear equations in two variables	Examples, problems on Ratio and Proportion
	5. Introduction to Euclid's Geometry	Delete the Chapter
	6. Lines and angles	No deletion
	7. Triangles	Proof of the theorem deleted- Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence). □ Topic Deleted-Triangle inequalities and relation between 'angle and facing side' inequalities in triangles
	8. Quadrilaterals	No deletion
	9. Areas of parallelograms and triangles	Delete the Chapter
	10. Circles	There is one and only one circle passing through three given non-collinear points. □ If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle.
	11. Constructions	Construction of a triangle of given perimeter and base angles
	12. Heron's formula	Application of Heron's Formula in finding the area of a quadrilateral.
	13. Surface area and volume	No deletion
	14. Statistics	Histograms (with varying base lengths), □ Frequency polygons. □ Mean, median and mode of ungrouped data
	15. Probability	No deletion
	1.] MOTION	
	2.] FORCE AND LAWS OF MOTION	
	3.] GRAVITATION	FLOATATION - THRUST AND PRESSURE, ARCHIMEDE'S PRINCIPLE, BUOYANCY,ELEMENTARY IDEAS OF RELATIVE DENSITY.
	4.] WORK,ENERGY AND POWER	
	5.] SOUND	NATURE OF SOUND AND ITS PROPAGATION IN VARIOUS MEDIA, SPEED OF SOUND, RANGE OF HEARING IN HUMANS; ULTRASOUND;ECHO AND SONAR; STRUCTURE OF HUMAN EAR (AUDITORY ASPECT ONLY
CHEMISTRY	1.Matter in our surroundings.	Matter in Our Surroundings: Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state-melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.
	2.Is matter around us pure.	
	3.Atoms and molecules.	
	4.Structure of atom.	
BIOLOGY	1.Why do we fall ill?(NCERT)	

	2.The fundamental unit of life.(NCERT)	
	3.Tissues.(NCERT)	
	4.Diversity in living organisms.(NCERT)	Diversity in Living Organisms:Diversity of plants and animals-basic issues in scientific naming, basis of classification. Hierarchy of categories / groups, Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, Gymnosperms and Angiosperms). Major groups of animals (salient features) (Non-chordates upto phyla and chordates upto classes).
	5.Natural Resources. (NCERT)	
	6.Improvement in food resources.(NCERT)	Improvement in Food Resources: Plant and animal breeding and selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; Organic farming.
HINDI		
Sapash Bhag 1 (GA)	1. Dhool	Vegyanik chetna ka vahak Chandra Shekar veinket Raman,
	2. Dukh ka Adikaar	Kichad ka kavya
	3. Everest - Meri shikhar yatra	Shukratore ke saman
	4. Tum kabh jaoghe , Adithi	
	5. Dharm ki Aad	
Sparsh Bhag 1 (PADYA)	6..Raidass ke padh (Padya)	Adaminama
	7.Rahim ke dohe	Agnipath
	8. Ek phool ki chah	Nae Ilake me
Sanchayan Bhag - 1	1.Gillu	Kallo kumhar ki unakoti
	2. Smrithi	Mera chhota sa niji pustakalay
	3. Hameed Kha	
	4. Diye jal utthe	
VYAKARAN	1. Shabd aur Padh	
	2. Anuswar , Anunasikh	
	3. Upsargh , Pratiyah	
	4. Shabdh - Vichar , Shruthisum Bhinaarth Shabd , Paryavachi , Vilom	
	5. Arth ki drishti se vakya bhedh	
Creative Writing	1. Anuchadh Lekhan	
	2. Anopcharik patre - (Informal)	
	3. Sandesh Lekhan	
	4. Samvadh Lekhan	
MALAYALAM	5. Nara Lekhan - (Slogan Writing)	
Kerala Padavali -9 - SCERT		
Adisthana Padavali -9 - SCERT	1.Ambaadiyilekku	1. saphalamee yaathra
	2. Athe Praarthana	2.Kodiyettam
	3.viswam deepamayam	3. Budhante upadesham
	4.kaalakal	
	5. Vellachattathinte idimuzhakkam	
	6. Randu taxikkar	

	7.Arbhaadathil ninnu laalithyathilekku	
	Thejaswiyaya vagmi (non detailed)	
Reading	comprehension - unseen poetry	
Writing	Essay	
	Formal letter	
	Newspaper reporting	
Grammar	Sandhi	
	samaasam,	
	vidhi nishedham	
	prayogam	
	Sentence correction	
	Anga vaakyam , Angi vaakyam	
	Sentence making	
FRENCH	1. la famille	1. Un diner en famille
	2. au lycee	2. La mode
	3. une journee de pauline	3. Les fetes
	4. les saisons	4. La Francophonie
	5. les voyages	
	6. les loisirs et les sports	
	7. l'argent de poche	
	8. faire des achats.	
	HISTORY	
SOCIAL SCIENCE	1.The French Revolution	1.Forest society and colonialism
	2. Nazism and the rise of Hitler	
	3.Socialism in Europe and the Russian Revolution	
	GEOGRAPHY	
	1.India-size and location	
	2.Physical features of India	1.Population
	3. Drainage (Only map items)	
	4.Climate	
	5.Natural vegetation and wildlife	
	POLITICS	
	1.What is democracy? Why democracy?	1.Democractic rights
	2.Constitutional Desgn	
	3.Electoral politics	
	4.Working of institutions	
	ECONOMICS	
	1.Story of Village Palampur	1.Food security in India

	2. People as Resource	
	3. Poverty as a challenge	
HOME SCIENCE	1. Concept and scope of homescience education and recent trends	
	2. Human growth and development	
	3. Family and Values	
	4. Food, nutrition and health	Methods of cooking and processing
	5. Fibre and fabric	Methods of Fabric construction & Selection of fabric
	6. Resource management	
	7. Measure of safety and management of emergencies	
COMPUTER APPLICATIONS SUMITA ARORA	1. Basics of Information Technology	
	2. Cyber safety	
	3. Office Tools	
	4. Python	
INTRODUCTION TO TOURISM CBSE Student Handbook	1. Employability Skills	
	2. Subject Specific Skills	
	Unit 1: Introduction to Tourism -I	
	Unit 2 : Tourism Business - I	
	Unit 3: Tourism Product - I	
	3. Practical Work	
ARTIFICIAL INTELLIGENCE CBSE Student Handbook (Karthik Sharma-Sultan Chand)	PART A: Employability Skills	
	UNIT 1: Communication Skills - I	
	UNIT 2: Self - Management Skills - I	
	UNIT 3: ICT Skills - I	
	UNIT 4: Entrepreneurship Skills - I	
	UNIT 5: Green Skills - I	
	PART B: Subject Specific Skills	
	UNIT 1: Introduction to Artificial Intelligence	
	UNIT 2: AI Project Cycle	
	UNIT 3: Neural Networks	
	UNIT 4: Introduction to PYTHON	
	PART C: PRACTICAL WORK - PYTHON	
	PART D: PROJECT WORK (Practical File/ Student Portfolio)	
GRADE 10		

		Main TEXT [FIRST FLIGHT]
ENGLISH	1. A Letter To God	
Main TEXT [FIRST F	2. Nelson Mandela: Long Walk To Freedom	1.Mijbil the Otter (Prose)
	3.Two Stories about Flying [Part 1 & 2]	2. How to Tell Wild Animals (Poem)
	4. From the Diary of Anne Frank	3.The Trees (Poem)
	5.The Hundred Dresses - I	4. Fog (Poem)
	6.The Hundred Dresses - II	5. For Anne Gregory (Poem)
	7.Glimpses of India [Part 1,2 & 3]	
	8.Mijbil the Otter	SUPPLEMENTARY READER [FOOTPRINTS WITHOUT FEET]
	9.Madam Rides the Bus	
	10.The Sermon at Benares	1. The Midnight Visitor
	11.The Proposal	2. A Question of Trust
		3. The Book that Saved the Earth
Main TEXT [FIRST F	1. Dust of Snow	
	2. Fire and Ice	Integrated Grammar
	3.A Tiger in the Zoo	1.Passive Voice
	4. How to Tell Wild Animals	2.Clause - Noun, Adveb, Relative
	5. The Ball Poem	3.Prepositions
	6. Amanda	
	7.Animals	
	8.The Trees	
	9. Fog	
	10. The Tale of Custard the Dragon	
	11. For Anne Gregory	
SUPPLEMENTARY READER [FOOTPRINTS WITHOUT FEET]	1. A Triumph of Surgery	
	2. The Thief's Story	
	3. The Midnight Visitor	
	4. A Question of Trust	
	5. Footprints without Feet	
	6. The Making of a Scientist	
	7. The Necklace	
	8. The Hack Driver	
	9. Bholi	
	10. The Book that Saved the Earth	
WORDS AND EXPRESSION II [WORKBOOK]	Unit-1 to 11	
	1.Formal Letter - Letter of Complaint, Letter placing order, Letter of Inquiry, Letter to Editor.(Based on a given situation)	
	2.Writing an analytical paragraph on the basis of the given map/ chart/ report/line graph etc.	

	Integrated Grammar - Tenses, Models, Use of Passive Voice, Subject-Verb concord, Reporting (Commands and requests, Statements, Questions), Clauses, Determiners, Prepositions.	Highlighted in blue are the topics deleted in grammar.
MATHS	1.Real numbers	Euclid's division lemma
	2.Polynomials	Statement and simple problems on division algorithm for polynomials with real coefficients
	3.Pair of Linear equations in two variables	Cross multiplication method
	4.Quadratic equations	Situational problems based on equations reducible to quadratic equations.
	5.Arithmetic progression	Application in solving daily life problems based on sum to n terms
	6. Triangles	Proof of following theorems are deleted * The ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides. * In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angle opposite to the first side is a right angle.
	7.Co-ordinate geometry	Area of a triangle
	8.Introduction to trigonometry	* Motivate the ratios whichever are defined at 0degree and 90 degree *Trigonometric ratios of complementary angles.
	9.Some Applications of trigonometry	No deletion
	10.Circles	No deletion
	11.Constructions	Construction of a triangle similar to a given triangle.
	12.Area related to circles	Problems of central angle of 120 degree
	13. Surface area and volumes	Frustum of a cone
	14.Statistics	* Step deviation method for finding mean * cumulative frequency graph
	15.Probability	No deletion
PHYSICS	1.] ELECTRICITY	
	2.] LIGHT	
	3.] THE HUMAN EYE AND THE COLOURFUL WORLD	FUNCTIONING OF A LENS IN HUMAN EYE, DEFECTS OF VISION AND THEIR CORRECTIONS. APPLICATIONS OF SPHERICAL MIRRORS AND LENSES.
	4.] MAGNETIC EFFECTS OF ELECTRIC CURRENT	ELECTRIC GENERATOR, DIRECT CURRENT AND ALTERNATING CURRENT, FREQUENCY OF AC, ADVANTAGES OF AC OVER DC, DOMESTIC ELECTRIC CIRCUIT
	5.] SOURCES OF ENERGY	DIFFERENT FORMS OF ENERGY, CONVENTIONAL AND NON CONVENTIONAL SOURCES OF ENERGY: FOSSIL FUELS, SOLAR ENERGY; BIOGAS;WIND,WAVES AND TIDAL ENERGY;NUCLEAR ENERGY, RENEWABLE VERSUS NON-RENEWABLE SOURCE OF ENERGY
CHEMISTRY	1. Chemical Reactions & Equation	
	2. Acid Base & Salt	
	3. Metals & Non metals	Metals and Non-metals: Basic Metallurgical processes; Corrosion and its prevention
	4. Carbon & its compounds	
	5. Periodic classification of elements	Carbon and its Compounds: Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydro carbons and unsaturated hydrocarbons. Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.

BIOLOGY	1. Life processes	
NCERT -	2. Control & Co-ordination	Control and co-ordination in animals and plants: Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.
SCIENCE Textbook for Class X	3. How do Organisms Reproduce?	
	4. Heredity & Evolution	Heredity and Evolution:Basic concepts of evolution.
	5. Our Environment	
	6. Management of natural resources	
HINDI		
Sparsh Bhag 2 (GADHYA)	1. Bade bhai sahib	Diary Ka Ek Panna
	2. Thathara Vamiro Katha	Tisari Kasam Ke Shilpakar Shailendra
	3. Ab kaha dusaro ke dukh se dhukhi hone wale	Girgit
	4. Jhen ki den	Patjhar Mai Tuti Pattiyan - (2) Ginni Ka Sona
	5. Karthus	
Sparsh Bhag 2 (PADHYA)	1. Kabeer - Sakhi	Bihari - Dohe
	2. Meera ke Padh	Madhur -Madhur Mere Deepak Jal
	3. Manushyatha	Thop
	4. Parvath Pradesh Mei Pavas	Aatmatran
	5. Kar Chale Hum Fida	
Sanchayan - Bhag 2	1. Harihar Kaka	
	2. Sapno ke se din	
	3. Topi Shukla	
VYAKARAN	1. Padh Bandh	Alankar
	2. Vakya Rupanthran	
	3. Samas	
	4. Muhavare	
LEKHAN KAUSHAL	1. Anuchad lekhan 2. Aupcharikh Patre 3. Suchna Lehan 4. Vigyapan 5. Laghu Katha Lekhan	
MALAYALAM	1.Lakshmana saanthwanam	1.Michealangelo Maappu
	2. Priyadarshanam	2. Athmaavinte velipaduakal
	3. Ammathotil	3. Pathraneethi
Kerala Padavali -10 - SCERT	4.Onamuttathu	
Adisthana Padavali -10 - SCERT	5. Kadaltheeratthu	
	6. Yudhatthinte parinaamam	
	7.Panayam	
Non Detailed	Chattambi swaamikal (Chapter 1-9)	

Reading	Comprehension prose / poetry	
Writing	Essay	
	Formal letter	
	Newspaper reporting	
Grammar	Sandhi	
	Samaasam,	
	Anga Vaakyam & Angi Vaakyam (Simple and compound sentence)	
	Vidhi nishedham (Affirmative and Negative sentences)	
	Prayogam (Active and passive voice)	
	Sentence making	
	Sentence correction	
French	1. Retrouvons nos amis	5. Les medias
	2. Apres le bac	6. Chacun ses gout
	3. Chercher de travail	9. Metro, boulot, dodo
	4. Le plaisir de lire	10. Vive la Republique!
	7. En pleine forme	11. C'est bon le progres
	8. L'environnement	12. Vers un monde interculturel
	1. Nationalism In India	
SOCIAL SCIENCE- HISTORY	2. Nationalism in Europe	1. Print Culture and the Modern World
	3.The Making of a Global World (Periodic test assessment only)	
GEOGRAPHY	1. Resources and development	
	2. Water Resources (Only map items)	
	3. Agriculture	
	4.Minerals (Only map items)	
	5. Manufacturing Industries	
	6. Lifelines of Indian economy	
POLITICS	1. Power Sharing	1. Democracy and diversity
	2. Federalism	2. Gender, religion and Caste
	3. Political parties	3. Popular struggles and movements
	4. Outcomes of democracy	4. Challenges to democracy
ECONOMICS	1.Development	NIL

	2. Sectors of Indian economy	
	3. Money and Credit	
	4. Globalization and the Indian economy	
	5. Consumer Rights (Project)	
HOME SCIENCE	1. Growth and development II .	Adulthood and old age
	2. Management of resources-Time ,energy and money management.	
	3. Food and personal hygiene.	
	4. Meal Planning.	
	5. Food safety and consumer education.	
	6. Care and maintenance of fabrics.	
	Practicals.	
COMPUTER APPLICATIONS SUMITA ARORA	1. Networking	
	2. HTML	
	3. Cyber ethics	
	4. Python	
INTRODUCTION TO TOURISM	1. Employability Skills	
CBSE Student Handbook	2. Subject Specific Skills	
	Unit 1: Soft Skills- II	
	Unit 2: Introduction to Tourism -I	
	Unit 3 : Tourism Business - II	
	Unit 4: Tourism Product - II	
	3. Practical Work	
GRADE 11		
ENGLISH	The Summer Of the Beautiful White Horse, The Address, Ranga's Marriage, Albert Einstein at School, Mother's Day, Birth	The Ghat of the Only World The Tale of Melon City
Snapshots:		
Hornbill:	Hornbill: The Portrait of a Lady; We're not Afraid to Die, If We can All Be Together; Discovering Tut- The Saga Continues; Landscape of the Soul; The Ailing Planet: The Green Movement's Role; The Browning version; Silk Road; Poetry: A Photograph; The Voice of the Rain; The Laburnum Top ; Childhood;	Father To Son The Adventure
	Reading Skills: Note making , Summarizing	
	Writing Skills: Poster/ Notice, Essay; Letter (placing an order, enquiry, complaint)	Classified Advertisements, Letters to the editor (giving suggestions/opinions on an issue) Provide realistic context in the form of newspaper report/article to which the students may respond. Application for a job with a bio-data or resume Article & Report Writing Narrative writing

	Gr: Determiners; Tenses; Direct to Indirect Speech	Modals Clauses Change of Voice Error Correction, editing task/cloze passages
MATHS	SETS	Difference of sets Complement of a set and properties of complement
	RELATIONS AND FUNCTIONS	upto RXXR Sum,difference ,product and quotient of functions
	TRIGONOMETRIC FUNCTIONS	General solution of the trigonometric equations of the type $\sin x = \sin a$, $\cos x = \cos a$ and $\tan x = \tan a$
	PRINCIPLE OF MATHEMATICAL INDUCTION	Full Chapter Deleted
	COMPLEX NUMBERS AND QUADRATIC EQUATIONS	Polar representation of complex numbers Square root of the complex number
	LINEAR INEQUALITIES	No Deletion
	PERMUTATIONS AND COMBINATIONS	Derivation of formulae for nPr and nCr
	BINOMIAL THEOREM	Full Chapter Deleted
	SEQUENCES AND SERIES	Formulae for the special sums
	STRAIGHT LINES	Shifting the origin Equation of family of lines passign through the point of intersection of two lines
	CONIC SECTIONS	A point , a straight line and a pair of intersecting lines as a degenerated cases of conic section
	INTRODUCTION TO THREE DIMENSIONAL GEOMETRY	No Deletion
	LIMITS AND DERIVATIVES	No Deletion
	MATHEMATICAL REASONING	Full Chapter Deleted
	STATISTICS	Analysis of frequency distribution with equal means but different variances.
	PROBABILITY	Axiomatics (Set Theoretic)probability, connections with other theories of earlier classes.
INFORMATICS PRACTICES	1. Computer System	
	2. Emerging Trends	
	3. Brief Overview of Python	
	4. Working with Lists and Dictionaries	
	5. Understanding Data	
	6. Introduction to NumPy	
	7. Database Concepts	
	8. Introduction to Structured Query Language	
COMPUTER SCIENCE	1. Computer System	
Computer Science with Python by Preeti Arora	2. Number System	
	3. Emerging Trends	
	4. Programming in Python	
	5. Societal Impact	
APPLIED MATHEMATICS	Unit I Numbers, Quantification and Numerical Applications	Prime Numbers, Encryptions using Prime Numbers ,Complex Numbers (Preliminary idea only)

CBSE TEXT BOOK	Unit II: Algebra	Circular Permutations, Permutations with restrictions , Combinations when repetition is allowed
	Unit III: Mathematical and Logical Reasoning	No deletion
	Unit IV: Calculus	Composite functions , Tangent line and equations of tangents
	Unit V: Probability	No deletion
	Unit VI: Descriptive Statistics	Types of data (raw data, univariate data, bivariate and multi-variate data) Data interpretation (central tendency only)
	Unit VII Basics of Financial Mathematics	No deletion
	Unit VIII Coordinate Geometry	Parabola (only standard forms and graphical representation on two-dimensional plane)
ENTREPRENEURS HIP	1. Entrepreneurship: Concept and Functions	No Change
ENTREPRENEURS HIP-Class XI	2.An Entrepreneur	No Change
CBSE	3. Entrepreneurial Journey	Chapter 3 – Self assessment of qualities, skills,resources and dreams = 4 marks
	4.Entrepreneurship as Innovation and Problem Solving	Chapter 4 – Risk taking- concept and types = 4 marks
	5. Concept Of Market	
	6. Business Finance and Arithmetic	Chapter 6- Income statement = 2 marks and Cash Flow Projection = 3marks
	7. Resource Mobilisation	Chapter 7 – Estimating financial resources requirement; Methods of meeting financial requirements; Size and capital – based classification = 8 marks
PHYSICS	CHAPTER 1 THE PHYSICAL WORLD	PHYSICS; SCOPE AND EXCITEMENT; NATURE OF PHYSICAL LAWS; PHYSICS TECHNOLOGY AND SOCIERY (TO BE DISCUSSED AS A PART OF INTRODUCTION AND INTEGRATED WITH OTHER TOPICS)
	CHAPTER 2 UNITS AND MEASURMENTS	
	CHAPTER 3 MOTION IN A STRAIGHT LINE	FRAME OF REFERENCE, MOTION IN A STRAIGHT LINE: POSITION - TIME GRAPH, SPEED AND VELOCITY
	CHAPTER 4 MOTION IN A PLANE	
	CHAPTER 5 LAWS OF MOTION	INTUTIVE CONCEPT OF FORCE, INERTIA, NEWTON'S FIRST LAW OF MOTION, MOMENTUM AND NEWTON'S SECOND LAW OF MOTION, IMPLUSE;NEWTON'S THIRD LAW OF MOTION.
	CHAPTER 6 WORK, ENERGY AND POWER	
	CHAPTER 7 SYSTEM OF PARTICLES AND ROTATIONAL MOTION	STATEMENT OF PARALLEL AND PERPENDICULAR AXES THEOREMS AND THEIR APPLICATIONS.
	CHAPTER 8 GRAVTIATION	KEPLER'S LAWS OF PLANETARY MOTION, ACCELERATION DUE TO GRAVITY
	CHAPTER 9 MECHANICAL PROPERTIES OF SOLIDS	ELASTIC BEHAVIOUR, SHEER MODULUS OF RIGIDITY, POISSON'S RATIO; ELASTIC ENERGY
	CHAPTER 10 MECHANICS OF LIQUIDS	
	CHAPTER 11 THERMAL PROPERTIES OF MATTER	HEAT, TEMPERATURE, HEAT TRANSFER-CONDUCTION, CONVECTION AND RADIATION

	CHAPTER 12 THERMODYNAMICS	HEAT ENGINE AND REFRIGERATOR
	CHAPTER 13 KINETIC THEORY OF GASES	
	CHAPTER 14 OSCILLATIONS	
	CHAPTER 15 WAVES	FUNDAMENTAL MODE AND HARMONICS, DOPPLER EFFECT
	PRACTICALS	NO INVESTIGATORY PROJECT AND ACTIVITY TO BE DEMONSTRATED 8 EXPERIMENTS (CLUBBED BASED ON SKILLS) IN PLACE OF 12
CHEMISTRY	Basic Concepts of Chemistry	Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules
	Structure of Atom	Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations
	Classification of Elements and Periodic Properties	Significance of classification, brief history of the development of periodic table,
	Chemical Bonding and Molecular Structures	-----
	States of Matter	liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea), Liquid State- vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations)
	Equilibrium	hydrolysis of salts (elementary idea), Henderson Equation
	Organic Chemistry- Some Basic Principles and techniques	methods of purification, qualitative and quantitative analysis
	Hydrocarbons	free radical mechanism of halogenation, combustion and pyrolysis.
	Redox Reactions	applications of redox reactions
	Hydrogen	Preparation, properties and uses of hydrogen, hydrogen peroxide - preparation, reactions and structure and use;
	s-block element	Preparation and Properties of Some Important Compounds: Sodium Carbonate, Sodium Chloride, Sodium Hydroxide and Sodium Hydrogen carbonate, Biological importance of Sodium and Potassium. Calcium Oxide and Calcium Carbonate and their industrial uses, biological importance of Magnesium and Calcium.
	p-block element	Some important compounds: Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalies, uses. Carbon: uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses
	Chemical thermodynamics	Heat capacity and specific heat capacity, Criteria for equilibrium
	Environmental Chemistry	Entire chapter
BIOLOGY	1.The living world	
NCERT	2.Biological Classification	
	3.Plant Kingdom	
	4.Animal Kingdom	
	5.Morphology of flowering plants	
	6.Anatomy of flowering plants	
	7.Structural Organisation in animals	
	8.Cell: The unit of life	
	9.Biomolecules	
	10.Cell cycle and Cell division	

	11.Transport in plants	
	12.Mineral Nutrition	
	13.Photosynthesis in higher plants	
	14.Respiration in plants	
	15.Plant growth and Development	
	16.Digestion and Absorption	
	17.Breathing and exchange of gases	
	18.Body fluids and circulation	
	19.Excretory products and their elimination	
	20.Locomotion and movement	
	21.Neural control and coordination	
	22.Chemical coordination and integration	
ACCOUNTANCY	Introduction to Accounting	
ACCOUNTANCY- Financial Accounting, Part I&II,NCERT	Theory Base of Accounting	
	Recording of Transactions - I	
	Recording of Transactions - II	
	Bank reconciliation Statement	Bank Reconciliation Statement with Adjusted Cash Book
	Trial balance and Rectification of Errors	
	Depreciation, Provision and Reserves	
	Bills of Exchange	Retirement of bill ,Renewal of bill
	Financial Statements - I	
	Financial Statements - II	
	Accounts from Incomplete records	Difference between accounts from incomplete records and Statement of Affairs.Preparation of Trading, Profit and Loss account and Balance Sheet.
	Computers in Accounting	Introduction to operating software, utility software and application software. Introduction to accounting information system (AIS) as a part of Management Information System. ● Stages in automation: (a) Accounting process in a computerised environment; comparison between manual accounting process and computerised accounting process, (b) Sourcing of accounting software; kinds of software: readymade software; customised software and tailor-made software; generic considerations before sourcing accounting software (c) creation of account groups and hierarchy (d) generation of reports - trial balance, profit and loss account and balance sheet
	Accounting and DatabaseSystem	
ECONOMICS	PART A: STATISTICS FOR ECONOMICS	

TEXT BOOKS:- NCERT - Statistics for economics class XI, Sadeep Garg - Statistics for economics class XI, NCERT- Introductory micro economics, VK publications- Introductory Micro economics	UNIT 01 Introduction-Meaning scope and importance of statistics in Economics	
	UNIT 02 Collection, Organisation and Presentation of data	
	UNIT 03 Statistical tools and interpretation- Measured of central tendency, Measures of Dispersion, Correlation, Introduction to index numbers	Measures of Dispersion- Range, quartile deviation and Mean deviation. Correlation- Spearman's rank correlation. Index number- Index number for industrial production
	PART B- INTRODUCTORY MICROECONOMICS	
	UNIT 04 Introduction- Meaning of micro and macro economics, Positive and normative economics, Central problems of an economy, What, when and For whom to produce, Concept of PPC and opportunity cost.	Production possibility curve
	UNIT 05 Consumer's equilibrium and Demand, Utility approach, IC approach, Demand and elasticity of demand.	
	UNIT 06 Producer Behaviour and supply, production function, law of variable proportion, Cost, revenue, producer's equilibrium, Supply and elasticity of supply.	Producer's equilibrium- MC=MR approach.
	UNIT 07 Forms of market and Price determination under perfect competition market.	Others forms of market- Monopoly, Monopolistic competition and Oligopoly.
COMMERCIAL ART	Drawing- Free Hand, Out door, Sketching , One point perspective	
	Lettering -Calligraphy, Roman Alphabet	
	Pre Historic Art, Rock painting, Period and location, Bimbethka	
	Still Life-Object Study, Border, Composition	
	Indus valley civilization	
	Grid Drawing-Scale drawing, roman capital letters	
	Harappa and Mohenjo-daro	
	Lay Out-Typography	
	Budhist Art	
	Model Drawing-Symmetrical object perspective eye levels	
	Padmapani, Mara Vijay	
	Nature Study- Shape and form, Colours	

	Indo-Islamic Architecture	
	Composition-Human Anatomy	
	Portfolio	
HOME SCIENCE	1.Understanding oneself-Adolescence	Yarn and fabric Production Textile finishing
	2.Understanding family,community and society	Relationship and interaction with significant others Work Worker and workplace
	3.Childhood	Care and education
	4.Adulthood	
	Practicals related to all concepts.	
PSYCHOLOGY [NCERT TEXT]	What is psychology	No deletion
	Methods of enquiry in Psychology	No deletion
	The Bases of human behaviour	No deletion
	Human development	No deletion
	Sensory, Attentional & Perceptual processes [SAP]	Visual Sensation and Auditory sensation
	Learning	Concept Learning, Transfer of learning, Learning styles & Application of learning
	Human memory	Knowledge Representation & Organization in Memory
	Thinking	Complete Chapter
	Motivation and emotion	Complete Chapter
	Practical	Removal of 1 experiment out of 2
SOCIOLOGY [NCERT TEXT]	Sociology and society	
	Terms and concepts	Doing sociology-research methods
	Social institution	Social structure and social process in Society
	Culture and socialisation	Environment and society
	Doing sociology-research methods	
	Social structure and social process in Society	
	Social change and Social order in Rural and Urban Society	
	Environment and society	
	Western sociologists	
	Indian sociologists	
PHYSICAL EDUCATION	Changing trends & career in physical education	
Textbook-Health and Physical Education (vishvas publication) Chaudary-K-Chaudary.	Olympic value Education	
	Physical fitness,wellness & lifestyle	
	Physical Education &Sports for CWSN	
	Yoga	
	Physical Activity &Leadership training	
	Test , Measurement & Evaluation	
	Fundamentals of Anatomy,Physiology and Kinesiology in Sports	
	Psychology & sports	

	Training and Doping in sports	
BUSINESS STUDIES	1. Business, Trade and Commerce	No change
NCERT GRADE 11 BUSINESS STUDIES TEXT BOOK	2. Forms Of Business Organisation	Choice of form of business organization
	3. Private, Public and Global Enterprises	Global Enterprises – Feature. Joint ventures, Public private partnership – concept
	4. Business Services	private partnership – concept Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning
	5. Emerging Modes Of Business	Business Process Outsourcing (BPO): Concept, need and scope
	6. Social Resoonsibilites Of Business and Business Ethics	Business Ethics - Concept and Elements
	7. Sources Of Business Finance	Borrowed funds: Inter Corporate Deposits (ICD) –concepts
	8. Small Business	No change
	9. Internal Trade	Types of retail-trade-Itinerant and small scale fixed GST (Goods and Services Tax): Concept
	10. International Business	Export trade – Meaning and procedure, Import Trade - Meaning and procedure, Documents involved in International Trade: indent, letter of credit, shipping order, shipping bills, mate'sreceipt (DA/DP) World Trade Organization (WTO) meaning and objectives
	Project Work	
LEGAL STUDIES	1. Theory and Nature of Political Institutions	Ch 1- Concept of state and nation Institutions
Textbook - Legal Studies Class XI (CBSE Publication)	2.Nature and Sources of Law	Ch 1- Nature and meaning of law
	3. Historical Evolution of Indian Legal System	Ch 2 - Administration of Justice in British India
	4. Judiciary: Constitutional, Civil and Criminal Courts and Process	Nil
	5. Family Justice System	iv. Children vi.Property, Succession & Inheritance
	6. Project on Unit 2	Nil
GRADE 12		
ENGLISH	Reading Comprehension, .Writing Skills: Notice and Advertisement, Writing Formal and informal Invitation and replies,Letter to the Editor, Application for a Job, Article /Report	Reading: Note Making and Summarizing. Writing: Poster Making, Business or Official Letters, Speech , Debate.
FLAMINGO	FLAMINGO:The Last Lesson, My mother at sixty-six,Lost Spring,	1.Poets and Pancakes 2. The Interview 3. Going Places
	An Elementary school classroom in a slum, Deep Water,	1.A Roadside Stand
	The Rattrap, Keeping Quiet, Indigo, A Thing of Beauty, Aunt Jennifer's Tigers,	
VISTAS	VISTAS: The Enemy,Should Wizard Hit Mommy.The Third Level, On the face of it, Evans tries an O'level	1. The Tiger King 2. Journey to the end of the Earth 3. Memories of Childhood
	NCERT	

MATHS	<p>1.CONTINUITY AND DIFFERENTIABILITY, 2. RELATIONS AND FUNCTIONS , 3. APPLICATIONS OF DERIVATIVES, 4.INTEGRALS, 5. APPLICATION OF INTEGRALS, 6 . DIFFERENTIAL EQUATIONS, 7. INVERSE TRIGONOMETRIC FUNCTIONS, 8. MATRICES, 9 . DETERMINANTS, 10. VECTOR ALGEBRA, 11. THREE DIMENSIONAL GEOMETRY, 12. PROBABILITY, 13 . LINEAR PROGRAMMING,</p>	<p><u>Unit1: Relations and Functions</u> <u>1. Relations and Functions</u> □ <u>composite functions, inverse of a function.</u> <u>2. Inverse Trigonometric Functions</u> □ <u>Graphs of inverse trigonometric functions</u> □ <u>Elementary properties of inverse trigonometric functions</u> <u>Unit2: Algebra</u> <u>1. Matrices</u> □ <u>existence of non-zero matrices whose product is the zero matrix.</u> □ <u>Concept of elementary row and column operations.</u> □ <u>proof of the uniqueness of inverse, if it exists.</u> <u>2. Determinants</u> □ <u>properties of determinants</u> □ <u>Consistency, inconsistency and number of solutions of system of linear equations by examples.</u> <u>Unit-III: Calculus</u> <u>1. Continuity and Differentiability</u> □ <u>Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.</u> <u>2. Applications of Derivatives</u> □ <u>rate of change of bodies, use of derivatives in approximation</u> □ <u>3. Integrals</u> $\int \sqrt{ax^2 + bx + c} dx,$ $\int (ax + b)\sqrt{ax^2 + bx + c} dx$ □ <u>Definite integrals as a limit of a sum</u> <u>4. Applications of the Integrals</u> □ <u>Area between any of the two above said curves</u> <u>5. Differential Equations</u> □ <u>formation of differential equation whose general solution is given.</u> □ <u>Solutions of linear differential equation of the type: $dx/dy+px=q,$ where p and q are functions of y or constants.</u> <u>Unit-IV: Vectors and ThreeDimensional Geometry</u> <u>1. Vectors scalar triple product of vectors.</u> <u>2. Three - dimensional Geometry</u> □ <u>Angle between (i) two lines, (ii) two planes, (iii) a line and a plane</u> <u>Unit-V: Linear Programming</u> <u>1. Linear Programming</u> □ <u>mathematical formulation of L.P. problems</u> □ <u>(unbounded)</u> <u>Unit-VI: Probability</u> <u>1. Probability</u> □ <u>mean and variance of random variable. Binomial probability distribution.</u></p>
Computer Science(Computer Science with Python by Preeti Arora)	<p>1. Review of Python Basics. 2. Functions 3. Using Python Libraries. 4. Data File Handling. 6. Data Structures in Python(Stack/Queue) 8. Computer Networks 9. Web Development with Django 10 Interface Python with SQL 11. More on SQL</p>	
INFORMATICS	<p>1. Numpy 2. Python Pandas 3. Plotting with Pyplot 4. Societal Impacts</p>	

PRACTICES	5. Introduction to Computer Networks	
	6. Database Query using SQL	
	Project Work	
ENTREPRENEURS HIP	1. Entrepreneurial Opportunity	No change
CBSE GRADE 12 ENTREPRENEURS HIP TEXT BOOK	2. Enterprise Planning	No change
	3. Enterprise Marketing	Negotiation = 2 marks, Customer Relationship Management = 2 marks, Vendor Management = 3 marks
	4. Enterprise Growth Strategies	Reasons for failure of mergers and acquisitions = 6 marks
	5. Business Arithmetic	No change
	6. Resource Mobilisation	Securities Exchange Board of India (SEBI) = 4 marks, Secondary market, features and Importance = 4 marks
	Project Work	
PHYSICS	Electric Charges and Fields	Electric charges and fields uniformly charged thin spherical shell (field inside and outside).
	Electrostatic Potential and Capacitance	
	Current Electricity	Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors
	Moving Charges and magnetism	Cyclotron
	Magnetism and matter	magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field;
		Para-, dia- and ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths, permanent magnets.
	Electromagnetic Induction	
	Alternating Current	power factor, wattless current.
	Electro Magnetic Waves	Basic idea of displacement current,
	Ray Optics	Reflection of light, spherical mirrors,(recapitulation) mirror formula , Scattering of light - blue colour of sky and reddish appearance of the sun at sunrise and sunset.
	Wave Optics	resolving power of microscope and astronomical telescope, polarisation, plane polarised light, Brewster's law, uses of plane polarised light and Polaroids.
	Dual nature of radiation and matter	Davisson-Germer experiment
	Atoms	
	Nuclei	Radioactivity, alpha, beta and gamma particles/rays and their properties; radioactive decay law, half life and mean life binding energy per nucleon and its variation with mass number
	Semiconductor Electronics	Zener diode and their characteristics, zener diode as a voltage regulator.
	Practicals:	No investigatory project and Activity to be demonstrated 8 experiments (clubbed based on skills) in place of 12
CHEMISTRY	Electrochemistry	Lead accumulator, fuel cells, corrosion, law of electrolysis (elementary idea), dry cell- electrolytic cells and Galvanic cells
NCERT Part -I	Haloalkanes and Haloarenes	Uses and environmental effects of -dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.
NCERT Part -II	Solutions	Abnormal molecular mass, Van't Hoff factor
	Chemical Kinetics	Concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation

	Surface Chemistry	emulsion - types of emulsions, catalysis: homogenous and heterogeneous, activity and selectivity of solid catalysts; enzyme catalysis,
	Alcohols, Phenols and Ethers	uses with special reference to methanol and ethanol
	Aldehydes, Ketones and carboxylic Acids	-----
	p-block elements	Preparation and properties of Phosphine, Sulphuric Acid: industrial process of manufacture, Oxides of Nitrogen (Structure only); Phosphorus - allotropic forms, compounds of Phosphorus: Preparation and properties of Halides and Oxo acids (elementary idea only).
	d and f-block elements	Chemical reactivity of lanthanoids, Actinoids -Electronic configuration, oxidation states and comparison with lanthanoids. Preparation and properties of KMnO ₄ and K ₂ Cr ₂ O ₇
	Co-ordination Compounds	Structure and stereoisomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).
	Organic compounds containing Nitrogen-Amines	Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.
	Solid State	Electrical and magnetic properties. Band theory of metals, conductors, semiconductors and insulators and n and p type semi conductors
	Biomolecules	Oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen), importance of carbohydrates. Vitamins- classification and functions. Enzymes. Hormones - Elementary idea excluding structure.
	Polymers	Entire unit
	Chemistry in Everydaylife	Entire unit
	General Principles and Processes of Isolation of Elements	Entire unit
BIOLOGY	2.Sexual reproduction in flowering plants	• Under Unit Unit-VI Reproduction o Chapter-1: Reproduction in Organism • Reproduction, a characteristic feature of all organisms for continuation of species; modes of reproduction - asexual and sexual reproduction; asexual reproduction - binary fission, sporulation, budding, gemmule formation, fragmentation; vegetative propagation in plants.
NCERT	3.Human reproduction	• Under Unit-VII Genetics and Evolution o Chapter-7: Evolution • Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy – Weinberg's principle; adaptive radiation; human evolution.
	4.Reproductive health	• Under Unit-VIII Biology and Human Welfare o Chapter 9: Strategies for Enhancement in Food Production • Animal husbandry, Plant breeding, tissue culture, single cell protein.
	5.Principles of Inheritance and variation	• Under Unit-X Ecology and Environment o Chapter-14: Ecosystem • Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy; nutrient cycles (carbon and phosphorous); ecological succession; ecological services - carbon fixation, pollination, seed dispersal, oxygen release (in brief).
	6.Molecular basis of inheritance	o Chapter 16: Environmental Issues • Air pollution and its control; water pollution and its control; agrochemicals and their effects; solid waste management; radioactive waste management; greenhouse effect and climate change impact and mitigation; ozone layer depletion; deforestation; exemplifying case study as success story addressing environmental issue(s).
	8.Human health & disease	
	10.Microbes in human welfare	
	11.Biotechnology: principles and processes	
o	12.Biotechnology and its application	
	13.Organisms and populations	

	15.Biodiversity and conservation	
ACCOUNTANCY	Financial Statements of a Company	
Grade 12 NCERT Textbooks	Tools of financial analysis	
Reference book - by T S Grewal	Accounting ratios	
	Cash Flow Statements	
	Accounting For Not For Profit Organisations	
	Accounting for Partnership - Fundamentals	
	Admission of a Partner	Admission of a partner - adjustment of capital accounts and preparation of balance sheet.
	Retirement of a Partner	Retirement and death of a partner: adjustment of capital accounts. Preparation of loan account of the retiring partner.
	Death of a Partner	Preparation of deceased partner's capital account and his executor's account.
	Dissolution of Partnership Firm	
	Accounting of share capital:1) Issue of share for cash - at par, at discount,at premium.2) Issue of share for consideration other than cash.3) Calls in arrears & calls in advance 4) Preparing balance sheet with share capital.	
	Accounting for Debentures	Redemption of debentures-Methods: Lump sum, draw of lots.
	Redemption of Debentures	
	Project	From session 2020-21 onwards, there would be only ONE project (specific) to be prepared.
BUSINESS STUDIES	1.Nature and Significance of Management	no change
GRADE 12 NCERT BUSINESS STUDIES TEXT BOOK	2.Principles of Management	no change
	3.Business Environment	Demonetization - concept, Impact of Government policy changes on business with special reference to liberalization, privatization and globalization in India
	4.Planning	Single use and standing plans. Objectives, Strategy, Policy Procedure, method Rule, budget and Programme
	5.Organising	Formal and informal organisation- concept
	6.Staffing	Staffing as a part of Human Resource Management concept
	7. Directing	barriers to effective communication, how to overcome the barriers
	8. Controlling	Relationship between planning and controlling
	9.Financial Management	no change
	10.Financial Markets	no change
	11.Marketing Management	Physical Distribution – components and channels of distribution
	12. Consumer Protection	Consumer Protection: importance Consumer awareness - Role of consumer organizations and Non-Governmental Organizations (NGOs)
	Project Work	
ECONOMICS	UNIT 01 National income and related aggregate	

TEXT BOOKS:- Introductory Macro economics (NCERT), (SK Agarwala), (Sandeep Garg) (Sbhash Dey) Indian Economic Development (NCERT) (Subhash Dey)	UNIT 02 Money and banking	
		Credit control methods by the Central bank.
	UNIT 03 Determination of income and employment	
	UNIT 04 Government budget and the economy	
	UNIT 05 Balance of payments.	Deficit in Balance of payment. Determination of exchange rate in a free market.
	UNIT 06 Development policies and experience[1947-1990], Economic reforms since 1997, GST and demonatisation.	
	UNIT 07 Current challenges facing the Indian economy	Growth of education sector in India. Alternative farming- organic farming.
	UNIT 08 Developmental experience of India	
COMMERCIAL ART	Theory-The Rajasthani and Pahari School of Miniature Painting,	
	The Mughal and Deccan School of Miniature Painting,	
	The Bengal School of Miniature Painting,	
	The Modern Trends in Indian Art.	
	Practical-Illustration,	
	Poster Designing,	
	Portfolio Assessment	
HOME SCIENCE	1.Work,livelihood and career	
	2.Nutrition,Food science and technology.	Catering and food technology
	3.Human development and family studies.	Special education and support services
	4.Fabric and apparel.	Production and quality control in garment industry
	5.Resource management.	Human Resource Management
	6.Communication and extention.	Media management design and production
	Practical	
PSYCHOLOGY [NCERT TEXT]	1. Variations in Psychological Attributes	
	2. Self and Personality	
	3. Meeting Life Challenges	
	4. Psychological Disorders	
	5. Therapeutic Approaches	Psychodynamic therapy, Biomedical therapy
	6. Attitude and Social Cognition	Social Cognition

	7.Social Influence and Group Processes	Conformity, Compliance, Obedience; Cooperation & Competition; Social Identity; Intergroup Conflict; Conflict Resolution Strategies
	8.Psychology and Life	Entire chapter
	9. Developing Psychological Skills	Entire chapter
	Practical file and Case study	Case Study deleted; Experiments for Practicals reduced from 5 to 3
LEGAL STUDIES	1. Judiciary	Nil
Textbook - Legal Studies Class XII (CBSE Publication)	2. Topics Of Law	Administrative Law.
	3. Arbitration, Tribunal Adjudication and Alternative Dispute Resolution	Nil
	4. Human Rights in India	Historical context of Human Rights in India.
	5. Legal Profession in India	- History of the Legal Profession in India. - Classification of Lawyers: Roles and Functions - Legal Profession in other Jurisdiction. (This includes Legal Education in the United States, UK and other countries like France, Germany, Singapore, Peoples Republic of China and Australia)
	6. Legal Services	i. Introduction ii. Brief History of legal services iii. Legal background – Free Legal Aid under International law, The Indian legal system, v. Hierarchy of Legal Aid Service Authorities – The Central Authority, The State Authority, The District Authority and Taluk Legal Services Committee viii. Funding
	7. International Context	Nil
	8. Project based on Syllabus	Nil
SOCIOLOGY		
Textbook-INDIAN SOCIETY	The Demographic Structure, Social Institutions-Continuity and change, The Market as a Social Institution, Patterns of Social Inequality, Challenges of Cultural Diversity.	The Market as a Social Institution
SOCIAL CHANGE AND DEVELOPMENT IN INDIA	Structural Change, Cultural Change, The Story of Indian Democracy, Change & development in Rural Society, Change & development in Industrial Society, Globalisation & Social Change, Mass media & communication, Social Movements	The Story of Indian Democracy. Globalisation & Social Change, Mass media & communication
PHYSICAL EDUCATION	Planning in sports	Intramural & Extramural – Meaning, Objectives & Its Significance Specific Sports Programme (Sports Day, Health Run, Run For Fun, Run For Run For Unity)
Textbook-Health and Physical Education (vishvas publication) Chaudary-K-Chaudary.	Sports & Nutrition	
	Yoga & lifestyle	Back Pain: Tadasana, Ardh Matsyendrasana, Vakrasana, Shalabhasana, Bhujangasana
	Physical Education & sports for CWSN	Advantage of Physical Activities for children with special needs
	Children & Women in sports	Special consideration (Menarch & Menstrual Dysfunction) Female Athletes Triad (Oestropoeriosis, Amenoria, Eating Disorders)
	Test & Measurement in sports	General Motor Fitness–Barrow three item general motor ability(Standing B
		Run, Medicine Ball Put – For Boys: 03 Kg & For Girls: 01Kg)
	Physiology & injuries in sports	Physiological changes due to ageing
	Biomechanics & sports	Friction & Sports
	Psychology & Sports	● Exercise Adherence; Reasons to Exercise, Benefits of Exercise ● Strategies for Enhancing Adherence to Exercise

	Training in Sports	Circuit Training - Introduction & its importance
	Record	Practical-3: Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.