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Class-XI

Syllabus & Monthly Planner 2020-21

Subject	April-2020	May-2020	June-2020	July-2020	August-2020
English Language & Literature	Literature : (H.B) <ul style="list-style-type: none"> Ch-1 The Portrait of a Lady Grammar : Tenses, Rearrange, Determiners, Errors Writing : Notice, Article Writing, Letter, Poster making	Literature : (H.B) <ul style="list-style-type: none"> Ch-2 We are not afraid to die... if we can all be together Ch-3 Discovering Tut : The Saga continues Poem-1 A Photograph Snapshot : Ch-1 : The summer of beautiful white horse Grammar : Clauses, gap filling, omission, errors, rearranges Writing : Speech, Report writing		Literature : (H.B) <ul style="list-style-type: none"> Ch-4 Landscape of the soul Poem-2 The laburnum top Poem-3 The voice of the rain Snapshot : Ch-2 The address Ch-3 Ranga's Marriage	Literature : (H.B) <ul style="list-style-type: none"> Ch-5 The Ailing planet : The Green Movement's Role Snapshot : Ch-4 Albert Einstein at school Grammar : Omission, editing, gap filing
Physics (Deleted Topics: Refer to Page No.11)	<ul style="list-style-type: none"> Ch-1 Physical world Ch-2 Units and measurement 		<ul style="list-style-type: none"> Ch-3 Motion in straight line Ch-4 Motion in plane 	<ul style="list-style-type: none"> Ch-5 Force and laws of motion Ch-6 Work ,Energy and Power(cont.) 	<ul style="list-style-type: none"> Ch-6 Work ,Energy and Power Ch-7 System of Particles and Rotational motion
Chemistry (Deleted Topics: Refer to Page No.11)	<ul style="list-style-type: none"> Unit-1 Some basic concepts of chemistry 		<ul style="list-style-type: none"> Unit-2 Structure of atom Unit-3 Classification of elements and periodically in properties 	<ul style="list-style-type: none"> Unit-4 Chemical Bonding and Molecular 	<ul style="list-style-type: none"> Unit-5 States of Matter (Gases and Liquids) Unit-6 Thermodynamics
Biology (Deleted Topics: Refer to Page No.12)	<ul style="list-style-type: none"> Unit-1 Diversity in the living world (Ch-1, 2) 		<ul style="list-style-type: none"> Unit-1 Diversity in living world (Contd.) (Ch-3) 	<ul style="list-style-type: none"> Unit-1 Diversity in living world (Contd.) (Ch-4) Unit-2 Structural organization in Plants and animals (Ch-5, 6) 	<ul style="list-style-type: none"> Unit-2 Structural organization in Plants and animals (Ch-7)
Mathematics (Deleted Topics: Refer to Page No.13)	<ul style="list-style-type: none"> Ch-1 Sets Ch-5 Complex number and quadratic equations 		<ul style="list-style-type: none"> Ch-5 Complex number and quadratic equations 	<ul style="list-style-type: none"> Ch-9 Sequence and series 	<ul style="list-style-type: none"> Ch-3 Trigonometry functions Ch-2 Relation and Functions
Mathematics Activity	<ul style="list-style-type: none"> To represent set operation using venn-diagram To identify a relation and function 	<ul style="list-style-type: none"> To find the angle between two hands of a clock. To verify relation between degree and radian measure of an angle. 		<ul style="list-style-type: none"> To draw graph of $\sin x$. To draw graph of inequality $ax+by+c>0$ 	<ul style="list-style-type: none"> To find the number of ways in which three cards can be related from five cards. To construct Pascal's triangle

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Accountancy	<ul style="list-style-type: none">Ch-1 Meaning and objectives of accountingCh-2 Basic accounting termsCh-3 Accounting PrinciplesCh-4 Process and bases of accountingCh-5 Accounting Standards and International (IFRS)Ch-6 Accounting EquationsCh-7 Double Entry System			<ul style="list-style-type: none">Ch-8 Origin of transactions : Source Documents of AccountancyCh-9 Books of Original Entry- Cash BookCh-10 Accounting for GST	<ul style="list-style-type: none">Ch-11 Books of Original entry- Cash BookCh-12 Books of original entry – Special purpose subsidiary books + Revision
Business Studies (Deleted Topics: Refer to Page No.13)	<ul style="list-style-type: none">	<ul style="list-style-type: none">Unit-1 Nature and purpose of Business	<ul style="list-style-type: none">Unit-2 Forms of Business Organisations	<ul style="list-style-type: none">Unit-3 Public, Private and Global EnterprisesUnit-5 Emerging modes of BusinessUnit-6 Social Responsibility of Business and Business Ethics	<ul style="list-style-type: none">Unit-4 Business Services + Revision
Economics (Deleted Topics: Refer to Page No.14)	Statistics <ul style="list-style-type: none">Ch-1 Concept of Economics and Significance of stats in EconomicsCh-2 Collection of DataCh-3 Census and sample methods of collection of Data	Statistics <ul style="list-style-type: none">Ch-4 Organisation of DataCh-4 Textual and tabular Presentation of dataCh-5 Diagrammatic Presentation of Data		Statistics <ul style="list-style-type: none">Ch-6 Frequency DiagramsCh-7 Time Series GraphsCh-9 Arithmetic Mean	Statistics <ul style="list-style-type: none">Ch-10 Median and ModeCh-13 Index Numbers
Painting	Introduction- <ul style="list-style-type: none">Ch-1 Art- An IntroductionCh-2 Art and cultureCh-3 Origin and Development of different forms of fine Arts in IndiaCh-4 Pre historic Rock PaintingsPractical-Still life composition, natural objects, nature landscapes and scenes + 1 canvas			<ul style="list-style-type: none">Ch-5 Art of Indus ValleyUnit-II Buddhist, Jain, Hindu ArtCh-6 Art during Mauryan, Shanga, Kushan and Gupta Practical- Still life composition, 1 canvas, Daily life + Market Scene	+ Revision
Geography	Book-1 <ul style="list-style-type: none">Ch-1 Geography as a DisciplineCh-2 The origin and Evolution of the Earth Book-2 <ul style="list-style-type: none">Ch-1 India LocationCh-2 Structure and Physiography Practical :- Data and Maps	Book-1 <ul style="list-style-type: none">Ch-3 Interior of the EarthCh-4 Distribution of ocean and continentsCh-5 Minerals and RocksCh-6 Geomorphic Processes Practical :- Map Scale		Book-1 <ul style="list-style-type: none">Ch-7 Landforms and their EvolutionCh-8 Composition and structure of AtmosphereCh-9 Solar Radiation, Heat balance and temperature Book-2 <ul style="list-style-type: none">Ch-3 Drainage Practical :- Direction	+ Revision

Subject	April-2020	May-2020	June-2020	July-2020	August-2020
History	<ul style="list-style-type: none"> Ch-1 From the beginning of time Ch-3 Early cities Ch-4 Empires Introduction 		<ul style="list-style-type: none"> Ch-4 The Central Islamic Lands Ch-5 Nomadic Empires 	<ul style="list-style-type: none"> Ch-6 The three orders Ch-7 Changing cultural traditions 	<ul style="list-style-type: none"> Ch-8 Confrontation of cultures Ch-9 The Industrial Revolution + Revision
Physical Education	<ul style="list-style-type: none"> Unit-1 Introduction about Physical 	<ul style="list-style-type: none"> Unit-2 Olympic Value education Unit-3 Physical Fitness, wellness & Lifestyle 		<ul style="list-style-type: none"> Unit-4 Physical Education & Sports for CWSN (Children with special needs- Divyang) Unit-5 Yoga 	<ul style="list-style-type: none"> Unit-6 Physical Activity & Leadership training Unit-7 Test, Measurement & Evaluation + Revision
Physical Education Practical	Pract-1 Labelled diagram of 400m track and field with computations.	Pract-2 Computation of BM1 from family or neighbourhood and graphical representation the data.		Pract-3 Labelled diagram of field and equipment of any one game of your choice out of the above list. (Archery, Lawn tennis, Badminton, Wrestling, Boxing)	Pract-4 List of the current National Awardees (Dronacharya award, Arjuna Award and Rajiv Gandhi Khel Rattna Award) + Revision
Music	<ul style="list-style-type: none"> संगीत के स्वरूप एवं शास्त्रीय संगीत जानकारी गायन वादन नृत्य त्रय संगीत मुख्यतः—संगीत रत्नाकर ताल वर्णन, मात्रा वर्णन, विभाग वर्णन राग—भैरवी लेखन एवम वादन 	<ul style="list-style-type: none"> तानसेनजी का भारतीय संगीतमें योगदान एवम जीवन परिचय ताल—तीन ताल मात्रा, विभाग, चिन्ह—तीन ताल ग्राफ सहित वर्णन राग की दोहराई 		<ul style="list-style-type: none"> स्वर के प्राचीन नाम ५० विष्णुनारायण भातखण्डे का संगीत जगत में राग—भीमप्लासी का विस्तृत वर्णन, गायन सम्पूर्ण बन्दिश ताल— एक ताल मात्रा विभाग चिन्ह 	<ul style="list-style-type: none"> तानपुरे का चित्र सहित उसके भागों का वर्णन करें। कहरवा ताल राग—भूपाली राग—भूपाली का गायन, वादन एवम राग स्वरूप + Revision
Political Science (Deleted Topics: Refer to Page No.14)		Part-A <ul style="list-style-type: none"> Ch-1 Constitution 	Part-A <ul style="list-style-type: none"> Ch-2 Election & Representation Ch-3 The Legislature (Half) 	Part-A <ul style="list-style-type: none"> Ch-4 The Executive Ch-5 The Judiciary 	Part-A <ul style="list-style-type: none"> Ch-6 Federalism Ch-7 Local Governments + Revision

Class-XI

Syllabus & Monthly Planner 2020-21

Subject	September-2020	October-2020	November-2020	December-2020	January-2021
English Language & Literature	<ul style="list-style-type: none"> Term Examination-I 	Literature : (H.B) <ul style="list-style-type: none"> Ch-6 The Browning version Poem-4 The Childhood Snapshot : Ch-5 Mother's Day Ch-6 The Ghat of the only world Writing : Poster making, Notice Writing	Literature : (H.B) <ul style="list-style-type: none"> Ch-7 The Adventure Ch-8 The silk road Snapshot : Ch-7 Birth Ch-8 The tale of the Melon city Writing : Article Writing, speech, letter Grammar- Determiners, clauses	Literature : (H.B) <ul style="list-style-type: none"> Poem-5 Father to son Snapshot : Ch-7 Birth Ch-8 The tale of the Melon city Writing : Article Writing, speech, letter Grammar- Determiners, clauses	Literature : (H.B) Snapshots: Ch-1 The summer of beautiful white horse Ch-2 The Address Ch-3 Ranga's Marriage Grammar : Tenses, Rearrange, fill-ups Writing : Note Making, Advertisement
Physics (Deleted Topics: Refer to Page No.12)	<ul style="list-style-type: none"> Term Examination-I 	<ul style="list-style-type: none"> Ch-8 Gravitation Ch-9 Mechanical Properties of Solids 	<ul style="list-style-type: none"> Ch-10 Mechanical Properties of fluids Ch-11 Thermal properties of matter 	<ul style="list-style-type: none"> Ch-12 Thermodynamics Ch-13 Kinetic theory of gases 	<ul style="list-style-type: none"> Ch-14 Oscillation Ch-15 Waves
Chemistry (Deleted Topics: Refer to Page No.11)	<ul style="list-style-type: none"> Term Examination-I 	<ul style="list-style-type: none"> Unit-7 Equilibrium Unit-8 Redox Reactions 	<ul style="list-style-type: none"> Unit-9 Hydrogen Unit-10 s-block elements 	<ul style="list-style-type: none"> Unit-11 p block Unit-12 Some basic concepts f organic chemistry (Contd.) 	<ul style="list-style-type: none"> Unit-13 Hydrocarbon Unit-14 Environment chemistry
Biology (Deleted Topics: Refer to Page No.12)	<ul style="list-style-type: none"> Term Examination-I 	<ul style="list-style-type: none"> Unit-3 Cell: Structure and Functions (Ch-9, 10) 	<ul style="list-style-type: none"> Unit-4 Plant Physiology (Ch-13, 14, 15) 	<ul style="list-style-type: none"> Unit-5 Human Physiology (Ch-16, 17, 18, 19) 	<ul style="list-style-type: none"> Unit-5 Human Physiology (Contd.) (Ch-21, 22) Revision
Mathematics (Deleted Topics: Refer to Page No.13)	<ul style="list-style-type: none"> Term Examination-I 	<ul style="list-style-type: none"> Ch-7 Permutation and combination Ch-10 Straight Lines 	<ul style="list-style-type: none"> Ch-11 Conic Sections Ch-12 Limits and derivative 	<ul style="list-style-type: none"> Ch-13 Mathematical reasoning Ch-15 Probability 	<ul style="list-style-type: none"> Ch-16 Probability
Mathematics Activity	<ul style="list-style-type: none"> To construct a parabola To locate point in space x, y and z 	<ul style="list-style-type: none"> Modals 	<ul style="list-style-type: none"> Project 		
Accountancy	<ul style="list-style-type: none"> Ch-13 Ledger Ch-14 Trial Balance and Errors <ul style="list-style-type: none"> Term Examination-I 	<ul style="list-style-type: none"> Ch-15 Bank Reconciliation Statement Ch-16 Depreciation Ch-17 Provision and Reserves 	<ul style="list-style-type: none"> Ch-18 Bills of Exchange Ch-19 Rectification of Errors Ch-20 Capital and Revenue Project Work- <ul style="list-style-type: none"> Any topic from the entire syllabus 	<ul style="list-style-type: none"> Ch-21 Financial Statement Ch-22 Financial statements- with adjustments Ch-23 Accounts from Incomplete Records Ch-24 Introduction to complete Ch-25 Introduction to accounting information system Ch-26 Computerised accounting system Ch-27 Accounting software package- Tally 	

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Business Studies (Deleted Topics: Refer to Page No.13)	<ul style="list-style-type: none"> • Revision + Revision Test • Term Examination-I 	<ul style="list-style-type: none"> • Unit-7 Sources of Business Finance • Unit-8 Small Business and Enterprises 	<ul style="list-style-type: none"> • Unit-9 Internal Trade • Unit-10 International Business Project work :- One on above mentioned topics such as Social Responsibility of Business, Banking system etc	<ul style="list-style-type: none"> • Revision + Revision Test 	<ul style="list-style-type: none"> • Revision + Revision Test
Economics (Deleted Topics: Refer to Page No.14)	<ul style="list-style-type: none"> • Ch-11 Measures of Dispersion • Ch-12 Correlation Microeconomics <ul style="list-style-type: none"> • Ch-1 Economics and Economy • Term Examination-I 	Microeconomics <ul style="list-style-type: none"> • Ch-2 Central Problems of an Economy • Ch-3 Consumer's Equilibrium – Utility analysis • Ch-4 Consumer's Equilibrium- Curve Analysis 	Microeconomics <ul style="list-style-type: none"> • Ch-4 Consumer's Equilibrium- Curve Analysis • Ch-5 Theory of Demand • Ch-6 Price Elasticity of Demand • Ch-11 Theory of Supply 	Microeconomics <ul style="list-style-type: none"> • Ch-12 Forms of Market • Ch-13 Market competition and effects of shifts in Demand & Supply • Ch-7 Production function and returns to a factor 	Microeconomics <ul style="list-style-type: none"> • Ch-8 Concept of Cost • Ch-9 Concept of Revenue • Ch-10 Producer's Equilibrium
Painting	<ul style="list-style-type: none"> • Ch-7 The Art of Ajanta Caves • Ch-8 Artistic aspects of Indian Temple sculpture • Practical- Still life composition, Modern/ contemporary Art 		<ul style="list-style-type: none"> • Ch-9 Indian Bronze Sculptures Practical- Still Life composition		<ul style="list-style-type: none"> • Revision
Geography	Book-1 <ul style="list-style-type: none"> • Ch-10 Atmospheric circulation and weather system • Ch-11 Water in the Atmosphere • Ch-12 World climate and climate change Practical :- Latitude, Longitude and Time Term Examination-I	Book-2 <ul style="list-style-type: none"> • Ch-4 Climate • Ch-5 Natural Vegetation Book-1 <ul style="list-style-type: none"> • Ch-13 Water (Ocean) • Ch-14 Movement of ocean water Practical :- Map Projections	Book-1 <ul style="list-style-type: none"> • Ch-15 Life on the Earth • Ch-16 Biodiversity and conservation Book-2 <ul style="list-style-type: none"> • Ch-6 Soil • Ch-7 Natural Hazards and Disasters Practical :- Topographical Map	<ul style="list-style-type: none"> • Revision 	<ul style="list-style-type: none"> • Revision Test
History	<ul style="list-style-type: none"> • Term Examination-I 	<ul style="list-style-type: none"> • Ch-10 Displacing Indigenous Peoples • Ch-11 Paths to Modernisation 	<ul style="list-style-type: none"> • Revision 	<ul style="list-style-type: none"> • Revision 	<ul style="list-style-type: none"> • Revision • Term Examination-II
Physical Education	<ul style="list-style-type: none"> • Unit-8 Fundamental of Anatomy, Psychology & Kinesiology in sports • Unit-9 Psychology & sports (half) 	<ul style="list-style-type: none"> • Unit-9 Psychology & sports + Revision 	<ul style="list-style-type: none"> • Unit-10 Training and doping in sports + Revision 	<ul style="list-style-type: none"> • Revision & Revision Test 	<ul style="list-style-type: none"> • Revision

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Physical Education Practical	Pract-4 List of the current National Awardees (Dronacharya award, Arjuna Award and Rajiv Gandhi Khel Rattna Award)	Pract-5 Pictorial presentation of any five Asanas for improving concentration.	Pract-5 Pictorial presentation of any five Asanas for improving concentration.	Revision + Revision Test	<ul style="list-style-type: none"> Revision
Music	<ul style="list-style-type: none"> रागों की पहचान, वादी सम्वादी, अनुवादी स्वर 	<ul style="list-style-type: none"> विष्णु दिग्म्बर पुलस्कर का भारतीय संगीत में योगदान ताल—चार ताल मात्रा, बोल, चिन्ह, परिचय ध्रुपद गायन पर विस्तार पूर्ण चर्चा 	<ul style="list-style-type: none"> ख्याल गायन एवम दुत ख्याल एवम विलम्बित ख्याल पर चर्चा ताल और राग की दोहराई 	<ul style="list-style-type: none"> ताल हस्त वादन अभ्यास ताल—खाली, मात्रा, विभाग, सम चिन्ह चर्चा वस्तुनिष्ठ प्रश्न, राग स्वरूप, अलंकार 	<ul style="list-style-type: none"> ख्याल गायन एवम रागों का स्वरूप राग एवम थात में तुलना सप्तक वर्णन Revision
Political Science (Deleted Topics: Refer to Page No.14)	Part-B <ul style="list-style-type: none"> Ch-1 Political Theory : An Introduction Ch-2 Liberty 	Part-B <ul style="list-style-type: none"> Ch-3 Equality Ch-4 Justice 	Part-B <ul style="list-style-type: none"> Ch-5 Rights Ch-6 Citizenship 	Part-B <ul style="list-style-type: none"> Ch-7 Nationalism Ch-8 Secularism 	Part-B <ul style="list-style-type: none"> Ch-9 Development Revision

PRACTICAL (2020-21)

PHYSICS

Section- A

Experiments

- Expt.1 To measure diameter of a small spherical/cylindrical body using Vernier Callipers.
- Expt.2 To measure the dimensions of a given regular body of known mass using a Vernier Callipers and hence find its density.
- Expt.3 To measure internal diameter and depth of a given beaker/calorimeter using a Vernier Callipers and hence find its volume.
- Expt.4 To measure diameter of a given wire using screw gauge.
- Expt.5 To measure thickness of a given sheet using screw gauge.
- Expt.6 To determine volume of an irregular lamina using screw gauge.
- Expt.7 To determine radius of curvature of a given spherical surface by a spherometer.
- Expt.8 To determine the mass of two different objects using a beam balance.
- Expt.9 To find the weight of a given body using parallelogram law of vectors.
- Expt.10 Using a simple pendulum, plot its L-T² graph and use it to find the effective length of second's pendulum.
- Expt.11 To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.

Activities

- Act.1** To make a paper scale of given least count, e.g., 0.2 cm, 0.5 cm.
- Act.2** To plot a graph for a given set of data, with proper choice of scales and error bars.
- Act.3** To study the variation in range of a projectile with angle of projection.
- Act.4** To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).

Section:- B

Experiments

- Expt.1 To determine Young's modulus of elasticity of the material of a given wire.

- Expt.2 To find the force constant of a helical spring by plotting a graph between load and extension.
- Expt.3 To determine the surface tension of water by capillary rise method.
- Expt.4 To determine specific heat capacity of a given solid by method of mixtures.
- Expt.4 To study the relation between frequency and length of a given wire under constant tension using sonometer.
- Expt.5 To study the relation between the length of a given wire and tension for constant frequency using sonometer.

Activities

- A.1 To study the factors affecting the rate of loss of heat of a liquid.
- A.2 To study the effect of load on depression of a suitably clamped metre scale loaded at (i) its end (ii) in the middle

CHEMISTRY -

- To prepare crystals of pure CuSO₄ from a given impure of the blue vitriol.
- To prepare the crystals of potash alum.
- Determine the pH of vegetable and fruits juices using pH paper and universal indicator.
- Determine the pH of solutions of some salts using pH paper or universal indicator.
- Determine the molarity and the strength of the given sodium hydroxide solution. You are provided with 0.1M oxalic acid solution.
- Standardize the given solution of hydrochloric acid which is approximately 0.1M. You are provided with 0.05M Na₂CO₃ solution.
- Detection of nitrogen, sulphur in organic compounds.
- Determination of one anion and one cation
Cations :- Pb²⁺, Cu²⁺, Al³⁺, Fe³⁺, Zn²⁺, Ca²⁺, Mg²⁺, NH₄⁺
Anion- CO₃²⁻, SO₄²⁻, NO₃⁻, Cl⁻, Br⁻, PO₄³⁻, C₂O₄²⁻, CH₃COO⁻

BIOLOGY :-

A. List of experiments

1. Study and describe some common flowering plants and to dissect and display the various parts of flowers.
2. Study the distribution of stomata on upper and lower surface of leaves.
3. Separate plant pigments through paper chromatography.
4. Study of the rate of respiration I flower buds/ leaf tissue and germinate seeds.
5. Test for presence of sugar in urine.
6. Test for presence of albumin in urine.

B. Study/ observation of the following (spotting)

1. Parts of a compound microscope.
2. Specimens/ slides/ models and identification with reasons- Bacteria, oscillatoria, Spirogyra Rhizopus, Mushroom, yeast, liverwort, moss, fern, pine, monocot plant, dicot plant, lichen.
3. Specimens/ slides/ Models and identifying features of – Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark rohu, frog, lizard, pigeon, rabbit.
4. Study of animals tissues through temporary/ permanent slides.
5. Mitosis in onion root tip cells and animals cells from permanent slides.

SOCIOLOGY

COURSE CONTENT

A.	INTRODUCING SOCIOLOGY	40 Marks
Unit 1	Sociology, Society and its Relationship with other Social Sciences <ul style="list-style-type: none"> <input type="checkbox"/> Introducing Society: Individuals and collectivities. Pluralities and Inequalities among societies. <input type="checkbox"/> Introducing Sociology: Emergence. Nature and Scope. <input type="checkbox"/> Relationship with other Social Science disciplines 	18 Periods
Unit 2	Terms, Concepts and their use in Sociology <ul style="list-style-type: none"> <input type="checkbox"/> Social Groups and Society <input type="checkbox"/> Social Stratification <input type="checkbox"/> Status and Role <input type="checkbox"/> Society & Social Control 	16 Periods
Unit 3	Understanding Social Institutions <ul style="list-style-type: none"> <input type="checkbox"/> Family, Marriage and Kinship <input type="checkbox"/> Work & Economic Life <input type="checkbox"/> Political Institutions <input type="checkbox"/> Religion as a Social Institution <input type="checkbox"/> Education as a Social Institution 	20 Periods
Unit 4	Culture and Socialization <ul style="list-style-type: none"> <input type="checkbox"/> Defining Culture <input type="checkbox"/> Dimensions of Culture <input type="checkbox"/> Socialization <input type="checkbox"/> Agencies of Socialisation 	16 Periods
Unit 5	Doing Sociology: Research Methods <ul style="list-style-type: none"> <input type="checkbox"/> Objectivity and Subjectivity in Sociology <input type="checkbox"/> Research Methods: Participant Observation, Survey <input type="checkbox"/> Tools and Techniques: Observation, Interview, Questionnaire <input type="checkbox"/> The Significance of Field Work in Anthropology & Sociology 	20 Periods

B.	UNDERSTANDING SOCIETY	40 Marks
Unit 6	Social Structure, Stratification and Social Processes In Society <input type="checkbox"/> Social Structure <input type="checkbox"/> Social Stratification <input type="checkbox"/> Social Processes: Cooperation, Competition, Conflict	18 Periods
Unit 7	Social Change and Social Order in Rural and Urban Society <input type="checkbox"/> Social Change: Types, Causes and Consequences <input type="checkbox"/> Social Order: Domination, Authority and Law; Contestation, Crime and Violence <input type="checkbox"/> Concepts: Village, Town and City <input type="checkbox"/> Social Order and Social Change in Rural and Urban Areas	22 Periods
Unit 8	Environment and Society <input type="checkbox"/> Ecology and Society <input type="checkbox"/> Environmental Crises and Social Responses <input type="checkbox"/> Sustainable Development	10 Periods
Unit 9	Introducing Western Sociologists <input type="checkbox"/> The Context of Sociology <input type="checkbox"/> Karl Marx on Class Conflict <input type="checkbox"/> Emile Durkheim : Division of Labour in society <input type="checkbox"/> Max Weber: Interpretive Sociology, Ideal Type & Bureaucracy	20 Periods
Unit 10	Indian Sociologists <input type="checkbox"/> G.S. Ghurye on Caste and Race <input type="checkbox"/> D.P. Mukherjee on Tradition and Change <input type="checkbox"/> A.R. Desai on the State <input type="checkbox"/> M.N. Srinivas on the Village	20 Periods

PROJECT WORK

Periods: 40

Max. Marks: 20	Time allotted: 3 hours
A. Project undertaken during the academic year at school level 1. Introduction -2 Marks 2. Statement of Purpose – 2 Marks 3. Research Question – 2 Marks 4. Methodology – 3 Marks 5. Data Analysis – 4 Marks 6. Conclusion – 2 Marks	15 Marks
B. Viva – based on the project work	05 Marks

(Deleted Topics: Refer to Page No.14)

Deleted Portion in Physics**PHYSICS - 042****CLASS XI**

Topics
Chapter-1: Physical World Physics-scope and excitement; nature of physical laws; Physics, technology and society (To be discussed as a part of Introduction and integrated with other topics)
Chapter-3 : Motion in a straight line Frame of reference, Motion in a straight line: Position-time graph, speed and velocity
Chapter-5 Laws of Motion Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion
Chapter-7 System of Particles and Rotational Motion Statement of parallel and perpendicular axes theorems and their applications.
Chapter-8 Gravitation Kepler's laws of planetary motion, Acceleration due to gravity
Chapter-9 Mechanical Properties of Solids Elastic behaviour, shear modulus of rigidity, Poisson's ratio; elastic energy.
Chapter-11 Thermal properties matter Heat, temperature, Heat transfer-conduction, convection and radiation
Chapter-12 Thermodynamics Heat engine and refrigerator.
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

Deleted Portion in Chemistry**CHEMISTRY (043)****Class XI**

S No	Unit	Portion to be Reduced
1	Some Basic Concepts of Chemistry	Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules.
2	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
3	Classification of Elements and Periodicity in Properties	Significance of classification, brief history of the development of periodic table,
4	Chemical Bonding and Molecular Structure	--
5	States of Matter: Gases and Liquids	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)
6	Chemical Thermodynamics	Heat capacity and specific heat capacity, Criteria for equilibrium
7	Equilibrium	hydrolysis of salts (elementary idea), Henderson Equation
8	Redox Reactions	applications of redox reactions
9	Hydrogen	Preparation, properties and uses of hydrogen, hydrogen peroxide - preparation, reactions and structure and use;
10	s -Block Elements	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.
11	Some p -Block Elements	Some important compounds: Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalis, uses. Carbon: uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses.
12	Organic Chemistry: Some basic Principles and Techniques	methods of purification, qualitative and quantitative analysis
13	Hydrocarbons	free radical mechanism of halogenation, combustion and pyrolysis.
14	Environmental Chemistry	Entire chapter

Deleted Portion in Biology

Biology
(Code No. 044)

DELETED PORTIONS CLASS XI

• Under Unit 1: Diversity of Living Organisms

○ Chapter-1: The Living World

- taxonomy and systematics;
- tools for study of taxonomy- museums, zoological parks, herbaria, botanical gardens, keys for identification.

○ Chapter-3: Plant Kingdom

- Angiospermae; Angiosperms - classification up to class, characteristic features and examples.

• Under Unit-II Structural Organization in Animals and Plants

○ Chapter-5: Morphology of Flowering Plants

- Morphology and modifications: Morphology of different parts of flowering plants: root, stem, leaf, fruit and seed.
- Description of families: - Fabaceae

○ Chapter-6: Anatomy of Flowering Plants

- Anatomy and functions of different tissues and tissue systems in dicots and monocots. Secondary growth.

○ Chapter-7: Structural Organisation in Animals

- Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach), (a brief account only).

• Under Unit-IV Plant Physiology

○ Chapter-11: Transport in Plants

- Movement of water, gases and nutrients; cell to cell transport, diffusion, facilitated diffusion, active transport; plant-water relations, imbibition, water potential, osmosis, plasmolysis; long distance transport of water - Absorption, apoplast, symplast, transpiration pull, root pressure and guttation; transpiration, opening and closing of stomata; Uptake and translocation of mineral nutrients - Transport of food, phloem transport, mass flow hypothesis.

○ Chapter-12: Mineral Nutrition

- Essential minerals, macro- and micronutrients and their role; deficiency symptoms; mineral toxicity; elementary idea of hydroponics as a method to study mineral nutrition; nitrogen metabolism, nitrogen cycle, biological nitrogen

fixation.

○ Chapter-15: Plant - Growth and Development

- Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell;
- Seed dormancy; vernalisation; photoperiodism

• Under Unit-V Human Physiology

○ Chapter-16: Digestion and Absorption

- Alimentary canal and digestive glands, role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; calorific values of proteins, carbohydrates and fats; egestion; nutritional and digestive disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhoea.

○ Chapter-20: Locomotion and Movement

- Types of movement - ciliary, flagellar, muscular;
- Skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.

Class –XI

○ Chapter-21: Neural Control and Coordination

- reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear

DELETED PORTIONS CLASS XI: PRACTICAL

A: List of Experiments

1. Description of Family Fabaceae; Types of root (Tap and adventitious); types of stem (herbaceous and woody); leaf(arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary)
3. Study of osmosis by potato osmometer.
4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).
5. Comparative study of the rates of transpiration in the upper and lower surface of leaves.
6. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
7. Test for presence of urea in urine.

Deleted Portion in Mathematics

DELETED PORTION MATHEMATICS - 041 CLASS XI

UNIT/ CHAPTER	SYLLABUS REDUCED
Unit- I: Sets and Functions	
1.Sets	<input type="checkbox"/> Difference of sets. <input type="checkbox"/> Complement of a set. Properties of Complement
2.Relations & Functions	<input type="checkbox"/> (up to $R \times R \times R$). <input type="checkbox"/> Sum, Difference, product and quotients of functions
3. Trigonometric Functions	<input type="checkbox"/> General Solutions of trigonometric equations of the type $\sin y = \sin x$, $\cos y = \cos x$ and $\tan y = \tan x$.
Unit II: Algebra	
1.Principle of Mathematical Induction	<input type="checkbox"/> Delete full chapter
2.Complex Numbers and Quadratic Equations	<input type="checkbox"/> Polar representation of complex numbers. <input type="checkbox"/> Square root of a complex number.
3.Linear Inequalities	Nil
4. Permutations and Combinations	<input type="checkbox"/> Derivation of formulae for nP_r and nC_r .
5.Binomial theorem	<input type="checkbox"/> Delete full Chapter
6. Sequence and Series	<input type="checkbox"/> Formulae for the following special sums $\sum k, \sum k^2, \sum k^3$.
Unit III: Coordinate geometry	
1.Straight Lines	<input type="checkbox"/> Shifting of origin. <input type="checkbox"/> Equation of family of lines passing through the point of intersection of two lines.
2 Conic sections	<input type="checkbox"/> a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section.
3.Introduction to Three-dimensional Geometry	Nil
Unit-IV : Calculus	
1.Limits and Derivatives	Nil
Unit-V : Mathematical Reasoning	
1.Mathematical Reasoning	<input type="checkbox"/> Delete full chapter
Unit-VI: Statistics and Probability	
1. Statistics	<input type="checkbox"/> Analysis of frequency distributions with equal means but different variances.
2. Probability	<input type="checkbox"/> Axiomatic (set theoretic) probability, connections with other theories of earlier classes

Deleted Topics in Business Studies

BUSINESS STUDIES (Code No. 054)

CLASS–XI

Part A: Foundation of Business

Unit	Topics deleted
Unit 2: Forms of Business organizations	Choice of form of business organization
Unit 3: Public, Private and Global Enterprises	Global Enterprises – Feature. Joint ventures, Public private partnership – concept
Unit 4: Business Services	Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning
Unit 5: Emerging Modes of Business	Business Process Outsourcing (BPO): Concept, need and scope
Unit 6: Social Responsibility of Business and Business Ethics	Business Ethics - Concept and Elements

Part B: Finance and Trade

Unit	Topic deleted
Unit 7: Sources of Business Finance	Borrowed funds: Inter Corporate Deposits (ICD) – Concept
Unit 9: Internal Trade	Types of retail-trade-Itinerant and small scale fixed shops retailers GST (Goods and Services Tax): Concept
Unit 10: International Trade	Export trade – Meaning and procedure Import Trade - Meaning and procedure Documents involved in International Trade: indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP) World Trade Organization (WTO) meaning and objectives

Deleted Topics in Economics

ECONOMICS (Code No. 030)

CLASS – XI

Part A: Statistics for Economics

Unit	Topics Deleted
Unit 3: Statistical Tools and Interpretation	Measures of Dispersion - (range, quartile deviation, mean deviation and); (co-efficient of range, co-efficient of quartile-deviation, co-efficient of mean deviation, Correlation –Spearman's rank correlation. Index Numbers - index of industrial production

Part B: Introductory Microeconomics

Unit	Topics Deleted
Unit 4: Introduction	concepts of production possibility frontier and
Unit 6: Producer Behaviour and Supply	Producer's equilibrium-meaning and its conditions in terms of marginal revenue-marginal cost.
Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications	Other Market Forms - monopoly, monopolistic competition - their meaning and features

Deleted Chapter in Sociology

SOCIOLOGY – 039

CLASS XI

BOOK	CHAPTER DELETED
Introducing Sociology	1. Doing Sociology: Research Methods
Understanding Society	1. Social Structure, Stratification And Social Processes In Society 2. Environment and Society

Deleted Topics in Political Science

Political Science - 028

Class XI

Book I: Indian Constitution at Work	
UNIT	TOPICS
6	Federalism (Completely Deleted)
7	Local Governments These topics are deleted from this unit: Why do we need Local Governments? Growth of Local Government in India.
Book II: Political Theory	
13	Citizenship (Completely Deleted)
14	Nationalism (Completely Deleted)
15	Secularism (Completely Deleted)