



ANNUAL PLANNER (2024-25)

Class: XII		Subject: PSYCHOLOGY	
Month	Unit	Chapter	Topics
March	PRACTICAL PRACTICAL	INTRODUCTION TO PSYCHOLOGICAL TESTING PRACTICAL ON NON-VERBAL INTELLIGENCE TEST	<ul style="list-style-type: none"> • Introduction to Psychological Testing. • To assess the intelligence of the subject by using Non-Verbal Intelligence Test by Dr. Atmananda Sharma.
April	CHAPTER -1 CHAPTER -2	VARIATIONS IN PSYCHOLOGICAL ATTRIBUTES SELF AND PERSONALITY	<ul style="list-style-type: none"> • Individual Differences in Human Functioning, Assessment of Psychological Attributes, Psychometric Theories of Intelligence, Information Processing Theory, Theory of Multiple Intelligence, Triarchic Theory of Intelligence, Planning, Attention arousal and Simultaneous • successive Model of Intelligence, Individual Differences in Intelligence, Culture and Intelligence, Emotional Intelligence, Special Abilities: Aptitude, Nature and Measurement, Creativity.

			<ul style="list-style-type: none"> • Self and Personality, Concept of Self, Cognitive and Behavioural Aspects of Self, Culture and Self, Concept of Personality, Type and Trait approach, Psychodynamic and Post Freudian Approach, Behavioural Approach, Cultural and Humanistic Approach, Assessment of Personality: Self-report Measures, Projective Techniques, Behavioural Analysis.
May	CHAPTER -3	MEETING LIFE CHALLENGES	<ul style="list-style-type: none"> • Nature, Types and Sources of Stress, Effects of Stress on Psychological Functioning and Health, Stress and Health, General Adaptation Syndrome, Stress and Immune System, Lifestyle Coping with Stress, Stress Management Techniques, Promoting Positive Health and Well-being Life Skills, Resilience and Health.
	PRACTICAL	PRACTICAL ON EYSENCK'S PERSONALITY QUESTIONNAIRE - REVISED	<ul style="list-style-type: none"> • To assess the personality dimensions of the subject using Eysenck's Personality Questionnaire- Revised.
	PRACTICAL	PRACTICAL ON SINHA'S COMPREHENSIVE ANXIETY TEST.	<ul style="list-style-type: none"> • To assess the anxiety of the subject using Sinha's Comprehensive Anxiety Test.
July	CHAPTER -4	PSYCHOLOGICAL DISORDERS	<ul style="list-style-type: none"> • Concepts of Abnormality and Psychological Disorders, Classification of Psychological Disorders, Factors Underlying Abnormal Behaviour Major Psychological Disorders, Anxiety Disorders, Obsessive-Compulsive and Related Disorders, Trauma-and Stressor-

	PRACTICAL	PRACTICAL ON DBDA	<p>Related Disorders, Somatic Symptom and Related Disorders, Dissociative Disorders, Depressive Disorder, Bipolar and Related Disorders, Schizophrenia Spectrum and Other Psychotic Disorders, Neurodevelopmental Disorders, Disruptive, Impulse-Control and Conduct Disorders, Feeding and Eating Disorders, Substance Related and Addictive Disorders.</p> <ul style="list-style-type: none"> To assess the abilities of the subject using David's Battery of Differential Abilities.
August	CHAPTER -5	THERAPEUTIC APPROACHES	<ul style="list-style-type: none"> Nature and Process of psychotherapy, Therapeutic relationship, Behaviour Therapy, Cognitive Therapy, Humanistic-Existential Therapy, Alternative Therapies, Factors contributing to healing in Psychotherapy, Ethics in Psychotherapy, Rehabilitation of the Mentally Ill
September	TERM I EXAMINATION		
October	CHAPTER -6 PRACTICAL CHAPTER -7	<p>ATTITUDE AND SOCIAL COGNITION</p> <p>PRACTICAL ON SELF CONCEPT RATING SCALE.</p> <p>SOCIAL INFLUENCE AND GROUP PROCESSES</p>	<ul style="list-style-type: none"> Explaining Social Behaviour, Nature and Components of Attitudes, Attitude Formation and Change, Attitude-Behaviour Relationship, Prejudice and Discrimination, Strategies for Handling Prejudice To assess the Self-concept of the subject using Self Concept Rating Scale. Nature and Formation of Groups, Type of Groups, Influence of Group on Individual Behaviour, Social Loafing, Group Polarisation.

November		REVISION	
December	PRE-BOARD EXAMINATION I		
January	PRE-BOARD EXAMINATION II		

Class: XII

Subject: HISTORY

Month	Unit	Chapter	Topics
March	Book I	Ch-1 Bricks, Beads & Bones.	<ul style="list-style-type: none">● Introduction● Subsistence Strategies● Agriculture Technologies● Mohenjo-Daro: A planned urban Centre<ul style="list-style-type: none">i. Drainage Systemii. Domestic Architectureiii. Citadel● Tracking Social Differences● Finding out About Craft Production● Strategies for Procuring Materials● Seals, Script, Weight
April	Book-I	Ch-1 Bricks, Beads & Bones.	<ul style="list-style-type: none">● Ancient Authority● The end of the Civilization● Discovering the Harappan Civilisation● Problems of Piecing together the past.
Month	Unit	Chapter	Topics
April	Book-I	Ch-2 Kings, Farmers and Towns.	<ul style="list-style-type: none">● Prinsep and Piyadassi● The Earliest States.● An Early Empire● New Notions of Kingship● A Changing Countryside● Towns & Trade● Back to Basics -How are Inscriptions deciphered?● The limitations of Inscriptional Evidence.
	Book-I	Ch-3 Kinship, Caste and Class.	<ul style="list-style-type: none">● The Critical Edition of The Mahabharata.

			<ul style="list-style-type: none"> ● Kinship and Marriage- Many rules and varied Practices. ● Social Differences: Within and beyond the framework of caste. ● Beyond birth resources and status ● Explaining Social Differences: A Social Contract. ● Handling Texts: Historians and the Mahabharata ● Adynamic Text
May	Book-I	Ch-4 Thinkers, Belief and Buildings.	<ul style="list-style-type: none"> ● A Glimpse of Sanchi ● The background: Sacrifices and debates ● Beyond worldly Pleasures: The Message of Mahavira ● The Buddha and the Quest for Enlightenment ● The teaching of the Buddha ● Followers of the Buddha ● “Discovering” Stupas the Fate of Amaravati and Sanchi. ● Sculpture ● New Religious Traditions
Month	Unit	Chapter	Topics
May	Book-II	Ch-5 Through the eyes of traveller. Briefing of CBSE Project Work- Instructions, guidelines, Background reading Discussions on Themes.	<ul style="list-style-type: none"> ● Al-Biruni and the Kitab-ul-hind ● Ibn Battuta’s Rihla ● Francois Bernier- A doctor with a Difference ● Making Sense of an Alien World Al-Biruni and the Sanskritic Tradition ● Ibn Battuta and the Excitement of the Unfamiliar ● Bernier and the “Degenerate East” ● Women-Slaves, Sati & Labourers.
June			<ul style="list-style-type: none"> ●

July	Book-II	Ch-6 Bhakti-Sufi Traditions. Ch-7 An imperial Capital: Vijayanagara	<ul style="list-style-type: none"> ● A Mosaic of Religious beliefs and practices. ● Poems of Prayer-Early Traditions of Bhakti ● The Virashaiva Tradition in Karnataka ● Religious Ferment in North India ● New Strands In the fabric Islamic Traditions ● The growth of Sufism ● The Chishti's in the subcontinent ● New Devotional Paths dialogue and dissent in Northern India. ● Reconstructing Histories of Religious traditions. ● The Discovery of Hampi ● Rayas, Nayakas and Sultans. ● Vijayanagara: The Capital and its Environs ● The Sacred Centre ● The Royal Centre ● Plotting Palaces, Temples and Bazaars ● Questions in search of answers.
Month	Unit	Chapter	Topics
July	Book-II	Ch-8 Peasants, Zamindars and the State CBSE Project Work-Selection of the Final Topic, Initiation and Synopsis. - Planning and organization: forming an action Plan, feasibility or baseline study, Updating/modifying the action Plan, Data Collection	<ul style="list-style-type: none"> ● Peasants and Agricultural Production ● The Village Community ● Women in Agrarian Society ● Forests and Tribes ● The Zamindars ● Land Revenue System ● The Flow of Silver ● The Ain-i-Akbari of Abu'l Fazl Allami
August	Book-III	Ch-9 Colonialism and the countryside. CBSE Project Work. CBSE Project Work-Content/data analysis and interpretation.	<ul style="list-style-type: none"> ● Bengal and the zamindars ● An auction in Burdwan ● The problem of Unpaid revenue

	Book-III	<p>Work on Conclusion, Limitation, Suggestions & Bibliography of the project.</p> <p>Work on Annexures and overall presentation of the project.</p> <p>Ch-10 Rebels and the Raj.</p>	<ul style="list-style-type: none"> • Why zamindars defaulted on payments • The rise of the jotedars • The zamindars resist • The Fifth Report • The Hoe and the plough • The Santhals: Pioneer settlers • The accounts of Buchanan • A revolt in the countryside: The Bombay deccan • The Deccan Riot Commission • Pattern of the Rebellion • How the mutinies began • Lines of communication • Leaders and Followers • Rumours and the prophecies • Why did people believe in the rumours? • Awadh in Revolt • What the rebels wanted? • Repression
Month	Unit	Chapter	Topics
August	Book-III	Ch-10 Rebels and the Raj.	<ul style="list-style-type: none"> • Images of the Revolt • Nationalist Imageries
September	REVISION For Terminal Examination-I		
October	Book-III	Ch-11 Mahatma Gandhi and the Nationalist Movement.	<ul style="list-style-type: none"> • A leader announces himself • The Making and unmaking of Non-Cooperation • The Salt Satyagraha: A case Study. • The Last Heroic Days

	Book-III	Ch-12 Framing the Constitution. CBSE Project Work-Final Assessment and VIVA	<ul style="list-style-type: none"> • Knowing Gandhi • A Tumultuous Time • The Vision of the Constitution • The Will of the People • Defining Rights • The Powers of the State • The Language of the Nation
November	Revision for Pre-Boards Examination- I		
December	Pre- Boards Examination-I		
January	Pre-Boards Examination-II		

Class: XII		Subject: ECONOMICS	
Month	Unit	Chapter	Topics
MARCH	Unit 6: Development Experience (1947-90)	Indian Economy on the eve of independence	<ul style="list-style-type: none"> • A brief introduction of the state of Indian economy on the eve of independence.
		Indian economy 1950-90	<ul style="list-style-type: none"> • Indian economic system and common goals of Five-Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade.
APRIL	Economic Reforms since 1991	Economic Reforms since 1991	<ul style="list-style-type: none"> • Economic Reforms since 1991 • Features and appraisals of liberalisation, globalisation and Privatisation (LPG policy); Concepts of demonetization and GST.
	Unit : 3	Determination of Income and Employment	<ul style="list-style-type: none"> • Aggregate demand and its components. • Propensity to consume and propensity to save (average and marginal). Short-run 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.
MAY	Unit : 2	Money and Banking	<ul style="list-style-type: none"> • Money - meaning and 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.

JULY	Unit 1: National Income and Related Aggregates	National Income and Related Aggregates	<ul style="list-style-type: none"> What is Macroeconomics? Basic concepts in macroeconomics: 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. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor cost; Real and Nominal GDP, GDP Deflator, GDP and Welfare.
	UNIT TEST	Unit 6: Chapter 1&2 Unit2: Determination of income and employment	<ul style="list-style-type: none">
AUGUST	Unit 4:	Government Budget and the Economy	<ul style="list-style-type: none"> Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; Classification of expenditure – revenue expenditure and capital expenditure. Balanced, Surplus and Deficit Budget – measures of government deficit.
	Unit 8:	Development Experience of India	<ul style="list-style-type: none"> A comparison with neighbours India and Pakistan India and China Issues: economic growth, population, sectoral development and other Human Development Indicators.
	Unit 7: Current challenges facing Indian Economy	Rural development:	<ul style="list-style-type: none"> Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming.
SEPTEMBER		REVISION FOR TERM 1 EXAMINATION	<ul style="list-style-type: none"> UNIT 1, UNIT 2, UNIT 3 UNIT 4, UNIT 6, UNIT 7 (Chapter: Rural development) and UNIT 8
OCTOBER	Unit 7: Current challenges facing Indian Economy	Human capital formation	<ul style="list-style-type: none"> Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India.

		Balance of Payments	<ul style="list-style-type: none"> Balance of payments account - meaning and components; Balance of payments – Surplus and Deficit 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.
NOVEMBER	Unit 7: Current challenges facing Indian Economy	Employment: Growth and changes in work force.	<ul style="list-style-type: none"> Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies.
		Sustainable Economic Development: REVISION	<ul style="list-style-type: none"> Meaning, Effects of Economic Development on Resources and Environment, including global warming
		PRE- BOARD	COMPLETE SYLLABUS

Class: XII		Subject: BIOLOGY	
MONTH	UNIT	CHAPTER	TOPICS
MARCH	UNIT-VI REPRODUCTION	CHAPTER 1 - SEXUAL REPRODUCTION IN FLOWERING PLANTS	<ol style="list-style-type: none"> 1. Flower structure 2. Development of male and female gametophytes 3. Pollination – types, agencies, and examples 4. Out breeding devices 5. Pollen-pistil interaction 6. Double fertilization 7. Post-fertilization events - <ol style="list-style-type: none"> a) Development of endosperm and embryo, b) Development of seed and formation of fruit; 8. Special modes-apomixis, parthenocarpy, polyembryony; 9. Significance of seed dispersal and fruit formation.
APRIL		CHAPTER 2 - HUMAN REPRODUCTION	<ol style="list-style-type: none"> 1. Male and female reproductive systems. 2. Microscopic anatomy of testis and ovary. 3. Gametogenesis – spermatogenesis and oogenesis. 4. Menstrual cycle. 5. Fertilization, embryo development up to blastocyst formation. 6. Implantation. 7. Pregnancy and placenta formation (elementary idea). 8. Parturition (elementary idea) 9. Lactation (elementary idea).
APRIL		CHAPTER 3 - REPRODUCTIVE HEALTH	<ol style="list-style-type: none"> 1. Need for reproductive health and prevention of sexually transmitted diseases (STDs). 2. Birth control – need and methods. 3. Contraception and medical termination of

			<p>pregnancy (MTP)</p> <ol style="list-style-type: none"> 4. Amniocentesis 5. Infertility and assisted reproductive technologies - IVF, ZIFT, GIFT.
APRIL		CHAPTER 4 - PRINCIPLES OF INHERITANCE AND VARIATION	<ol style="list-style-type: none"> 1. Heredity and variation: Mendelian inheritance. 2. Deviations from Mendelism – incomplete dominance, co-dominance. 3. Multiple alleles and inheritance of blood groups, pleiotropy; 4. Elementary idea of polygenic inheritance; 5. Chromosome theory of inheritance; 6. Chromosomes and genes; 7. Sex determination – in humans, birds and honey bee; 8. Linkage and crossing over; 9. Sex-linked inheritance – hemophilia, color blindness; <ol style="list-style-type: none"> 10. Mendelian disorders in humans – thalassemia; 11. Chromosomal disorders in humans; Down’s syndrome, Turner’s and Klinefelter’s syndromes.
MAY	UNIT-VII GENETICS AND EVOLUTION	CHAPTER 5 - MOLECULAR BASIS OF INHERITANCE	<ol style="list-style-type: none"> 1. Search for genetic material and DNA as genetic material. 2. Structure of DNA and RNA. 3. DNA packaging. 4. DNA replication. 5. Central dogma. 6. Transcription. 7. Genetic code. 8. Translation. 9. Gene expression and regulation – lac operon. 10. Genome and human and rice genome projects.

			11. DNA fingerprinting.
JULY		CHAPTER 6 - EVOLUTION	<ol style="list-style-type: none"> 1. Origin of life on Earth. 2. Biological evolution and evidences for biological evolution (paleontological, comparative anatomy, embryology and molecular evidence). 3. Darwin's contribution in the field of evolution. 4. Modern synthetic theory of evolution. 5. Mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection. 6. Gene flow and genetic drift. 7. Hardy - Weinberg's principle. 8. Adaptive Radiation. 9. Human evolution.
JULY	UNIT-VIII BIOLOGY AND HUMAN WELFARE	CHAPTER 7 - HUMAN HEALTH AND DISEASES	<ol style="list-style-type: none"> 1. Common diseases on humans. 2. Pathogens; parasites causing human diseases (malaria, dengue, chickengunia, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ring worm) and their control. 3. Basic concepts of immunology – vaccines. 4. Cancer. 5. HIV and AIDs;. 6. Adolescence: drug and alcohol abuse.
AUGUST		CHAPTER 8 - MICROBES IN HUMAN WELFARE	<ol style="list-style-type: none"> 1. Microbes in household food processing. 2. Microbes in industrial production. 3. Microbes in sewage treatment. 4. Microbes in energy generation. 5. Microbes as bio control agents and biofertilizers. 6. Antibiotics: production and judicious use.

<p style="text-align: center;">AUGUST</p>	<p style="text-align: center;">UNIT-IX BIOTECHNOLOGY AND ITS APPLICATIONS</p>	<p style="text-align: center;">CHAPTER 9 - BIOTECHNOLOGY - PRINCIPLES AND PROCESSES</p>	<ol style="list-style-type: none"> 1. Principles of biotechnology. 2. Tools of recombinant DNA technology. 3. Restriction enzymes 4. Separation and isolation of DNA fragments. 5. Cloning vectors. 6. Competent host for transformation with recombinant DNA. 7. Process recombinant DNA technology. 8. Amplification of gene of interest using Polymerase chain reaction. 9. Insertion of recombinant DNA into the host cell and obtaining the foreign gene product.
<p style="text-align: center;">OCTOBER</p>	<p style="text-align: center;">UNIT-IX BIOTECHNOLOGY AND ITS APPLICATIONS</p>	<p style="text-align: center;">CHAPTER 10 - BIOTECHNOLOGY AND ITS APPLICATIONS</p>	<ol style="list-style-type: none"> 1. Application of biotechnology in health and agriculture. 2. Human insulin and vaccine production. 3. Stem cell technology. 4. Gene therapy. 5. Genetically modified organisms - Bt crops. 6. Transgenic Animals. 7. Bio safety issues. 8. Bio piracy and patents.
<p style="text-align: center;">OCTOBER</p>	<p style="text-align: center;">Unit-X Ecology and Environment</p>	<p style="text-align: center;">CHAPTER 11 -ORGANISMS AND POPULATIONS</p>	<ol style="list-style-type: none"> 1. Organisms and its environment: Habitat and niche, population and ecological adaptations. 2. Population interactions-mutualism, competition, predation, parasitism. 3. Population attributes - growth, birth rate and death rate, age distribution.
<p style="text-align: center;">NOVEMBER</p>		<p style="text-align: center;">CHAPTER 12 - ECOSYSTEM</p>	<ol style="list-style-type: none"> 1. Ecosystems: Patterns, components. 2. Productivity and decomposition; 3. Energy flow; pyramids of number, biomass, energy. 4. Nutrient cycles (carbon and phosphorous). 5. Ecological succession.

			6. Ecological services - carbon fixation, pollination, seed dispersal, and oxygen release.
		CHAPTER 15 - BIODIVERSITY AND ITS CONSERVATION	<ol style="list-style-type: none"> 1. Concept of biodiversity. 2. Patterns of biodiversity. 3. Importance of biodiversity. 4. Loss of biodiversity. 5. Biodiversity conservation. 6. Hotspots, endangered organisms, extinction, Red Data Book. 7. Biosphere reserves, national parks, sanctuaries and Ramsar sites.

Class: XII			Subject: ENTREPRENEURSHIP
Month	Unit	Chapter	Topics
April	I	Entrepreneurial Opportunity	<ul style="list-style-type: none"> ● Sensing Entrepreneurial Opportunities ● Environment Scanning ● Problem Identification ● Idea fields ● Spotting Trends ● Creativity and Innovation ● Selecting the Right Opportunity
May	II	Entrepreneurial Planning	<ul style="list-style-type: none"> ● Forms of business organization- ● Sole proprietorship, Partnership, Company ● Business Plan: concept, format. ● Components: ● Organisational plan; ● Operational plan; ● Production plan; ● Financial plan; ● Marketing plan; ● Human Resource plan
July	III	Enterprise Marketing	<ul style="list-style-type: none"> ● Marketing and Sales Strategy ● Branding, Logo, Tagline ● Promotion Strategy

August	IV	Enterprise Growth Strategies	<ul style="list-style-type: none"> • Franchising: Concept and types • Franchising: Advantages and limitations to franchisor and franchisee. • Mergers and Acquisition: Concept, reasons and types.
September	Term - 1 Examination	UNITS - 1 to 4	
October	V	Business Arithmetic	<ul style="list-style-type: none"> • Unit of Sale, Unit Cost for multiple products or services • Break even Analysis for multiple products or services • Computation of Working Capital • Inventory Control and EOQ • Return on Investment (ROI) and Return on Equity (ROE)
November	VI	Resource Mobilization	<ul style="list-style-type: none"> • Capital Market: Concept • Primary market: Concept, methods of issue • Angel Investor: Features • Venture Capital: Features, funding.
December & January	Pre-Board Examinations	Complete syllabus as per CBSE Board examination (Units 1 To 6)	

Class: XII

Subject: POLITICAL SCIENCE

		TERM 1	
MONTH	UNIT	CHAPTER	TOPICS
March		Part A: Contemporary World Politics Introduction of Cold War Chapter 1: The End of Bipolarity	a) The Soviet System b) Gorbachev and the disintegration c) Causes and Consequences of disintegration of Soviet Union d) Shock Therapy and its Consequences e) New entities in world politics • Russia • Balkan States • Central Asian States f) India's relations with Russia and other post-communist countries Disintegration of Soviet Union, Unipolar World, Middle East Crisis - Afghanistan, Gulf War, Democratic Politics and Democratization - CIS and the 21st Century (Arab Spring
April -May		Chapter 2:New Centres of Power Chapter 3:Contemporary South Asia Chapter 4: United Nations and its Organizations	a) European Union b) Association of Southeast Asian Nations c) Rise of China as an economic power d) Japan and South Korea as emerging powers Contemporary South Asia Topics to be focused: a) Military and Democracy in Pakistan and Bangladesh b) Monarchy and Democracy in Nepal c) Ethnic Conflict and Democracy in Sri Lanka d) India-Pakistan Conflicts e) India and its Neighbours f) Peace and Cooperation a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations

		<p>PART B-POLITICS IN INDIA SINCE INDEPENDENCE</p> <p>Chapter 1: Challenges of Nation Building Briefing of CBSE Project</p> <p>Chapter 2: Era of One-Party Dominance</p> <p>Chapter 3: Politics of Planned Development</p> <p>Briefing of CBSE Project and selection of Topics.</p>	<p>d) Principal Organs of UN e) Reform of the UN after Cold War f) Reform of Structures, Processes and Jurisdiction of the UN g) India and the UN Reforms h) Key Agencies: IMF, World Bank, WTO, ILO, IAEA. i) NGO: Amnesty International, Human Rights Watch. j) Implications and Future of International Organizations</p> <p>a) Challenges for the new Nation. • Three Challenges. b) Partition: Displacement and Rehabilitation. • Consequences of Partition. c) Integration of Princely States. • The problem • Government’s approach • Hyderabad • Manipur d) Reorganisation of States.</p> <p>Topics to be focussed: a) Challenge of building democracy. b) Congress dominance in the first three general elections. • Nature of Congress dominance Congress as social and ideological coalition. • Tolerance and management of Factions c) Emergence of opposition parties.</p> <p>Topics to be focussed: a) Political contestation. • Ideas of Development. • Planning • Planning Commission b) The Early Initiatives • The First Five Year Plan. • Rapid Industrialisation National Development Council, NITI Aayog.</p>
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Summer Vacation			
July		Chapter 4: India's Foreign Policy	<ul style="list-style-type: none"> Principles of Foreign Policy; India's Changing Relations with Other Nations: US, Russia, China, Israel; India's Relations with its Neighbours: Pakistan, Bangladesh, Bhutan, Nepal, Sri Lanka, and Myanmar; India's Nuclear Programme
August		<p>Chapter 5: Security in Contemporary World</p> <p>Chapter 7: Regional Aspirations</p> <p>Chapter 6: Environment and Natural Resources</p>	<ul style="list-style-type: none"> A Security in the Contemporary World Topics to be focused: a) Meaning and Type of Security. b) Traditional concept of security c) Non-tradition notions of Security. d) New Sources of Threats e) Cooperative Security f) India's Security strategy 7 Regional Aspirations Topics to be focused: a) Region and the Nation • Indian Approach • Areas of Tension • Jammu and Kashmir • Roots of the Problem • External and Internal disputes • Politics since 1948 • Insurgency and After • 2022 and Beyond b) Punjab • Political Context • Cycle of Violence • Road to Peace c) The Northeast • Demand for autonomy • Secessionist Movements • Movements against outsiders • Assam and National Integration. Environment and Natural Resources Topics to be focused: a) Environmental Concerns b) Global Commons c) Common but differentiated Responsibilities d) India's Stand on Environment Issues e) Environmental Movements f) Resource Geopolitics g) Rights of Indigenous peoples

		Follow up of Project	
September		Revision For First Terminal Examination	•
October		Chapter 5: Challenges to and Restoration of the Congress System	<ul style="list-style-type: none"> • Challenges to and Restoration of the Congress System Topics to be focused: a) Challenge of Political Succession • From Nehru to Shastri • From Shastri to Indira Gandhi b) Fourth General Election 1967 • Context of the Election. • Non Congressism • Electoral Verdict • Coalitions • Defections c) Split in the Congress • Indira vs the Syndicate • Presidential Election 1969 d) The 1971 Election and Restoration of Congress • The outcome and after • Restoration? • Parties and Party System in India • One Party Dominance, Bi-Party System, Multi-Party Coalition System • Democratic Resurgence • Jaya Prakash Narayan and Total Revolution, Ram Manohar Lohia and Socialism, Pandit Deendayal Upadhyaya and Integral • Humanism, National Emergency, Democratic Upsurges – Participation of Adults, Backwards, and Youth.
		Chapter 6: The Crisis of Democratic Order	<ul style="list-style-type: none"> • The Crisis of Democratic Order Topics to be focused: a) Background to Emergency. • Economic Context. • Gujarat and Bihar Movements • Conflict with Judiciary b) Declaration of Emergency • Crisis and response • Consequences c) Lessons of the Emergency. d) Politics after
		Submission of Project file	

		Chapter 7: Globalisation	<p>Emergency. • Lok Sabha Elections 1977 • Janata Government • Legacy</p> <ul style="list-style-type: none"> • Globalisation Topics to be focused: a) Concept of globalisation b) Causes and Consequences of globalisation c) India and globalization d) Resistance to globalization e) India and resistance to globalisation
November		<p>Chapter 8: Recent Developments in Indian Politics</p> <p>REVISION</p>	<ul style="list-style-type: none"> • Recent Developments in Indian Politics Topics to be focused a) Context of 1990s b) Era of Coalition • Alliance Politics c) Political rise of the Backward Classes • Mandal Implemented • Political Fallouts d) Communalism, Secularism and Democracy. • Ayodhya Dispute • Demolition and after e) Emergence of New Consensus f) Lok Sabha Elections 2004 g) Growing Consensus • Indian Politics: Recent Trends and Development • Alliance (Era of Coalitions, National Front, United Front, United Progressive Alliance (UPA) I & II, National Democratic NDA) I, II
December		PRE- BOARD	
January		Revision	

Class: XII		Subject: INFORMATICS PRACTICES	
Month	Unit	Chapter	Topics
April & May	Unit - 1 Data Handling using Pandas and Data Visualization	Chapter 2 Data Handling using Pandas - I	<ul style="list-style-type: none"> • Revision of List and Dictionary • Difference between different Data Structures • Introduction to Python Libraries • Series • Data Frame • Importing and Exporting Data between CSV Files and Data Frames • Pandas Series Vs Num Pyndarray
July	Unit - 1 Data Handling using Pandas and Data Visualization	Chapter 4 Plotting Data using Matplotlib	<ul style="list-style-type: none"> • Introduction to Matplotlib • Plotting using Matplotlib • Customisation of Plots • The Pandas Plot Function (Pandas Visualisation)
August	Unit - 3 Introduction to Computer Networks	Chapter 5 Internet and Web	<ul style="list-style-type: none"> • Introduction to Computer Networks • Types of Networks • Network Devices • Networking Topologies • The Internet • Applications of Internet • Website • Web Page • Web Server • Hosting of a Website • Browser
September	Term I Assessment (Practical + Practical File + Viva+ Written)		

October	Unit -2 Querying and SQL Functions	Chapter 1 Querying and SQL Functions	<ul style="list-style-type: none"> • Introduction to SQL functions • Functions in SQL • GROUP BY in SQL • Operations on Relations • Using Two Relations in a Query
November	Unit - 4 Societal Impacts	Chapter 6 Societal Impacts	<ul style="list-style-type: none"> • Introduction to social Impacts • Digital Footprints • Digital Society and Netizen • Data Protection • Creative Commons • Cyber Crime • Indian Information Technology Act (IT Act) • E-waste: Hazards and Management • Impact on Health
December	Unit - 1 Data Handling using Pandas and Data Visualization	Chapter 3 Data Handling using Pandas - II	<ul style="list-style-type: none"> • Introduction to pandas II • Descriptive Statistics • Data Aggregations • Sorting a DataFrame • Group by Functions • Altering the Index • Other DataFrame Operations • Handling Missing Values

Class: XII		Subject: MATHEMATICS	
Month	Unit	Chapter	Topics
March	Matrices	Matrices	<p>Matrices: Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices.</p> <p>Operation on matrices: Addition and multiplication and multiplication with a scalar. 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).</p>
April	Determinants	Determinants	<p>Determinants: Determinant of a square matrix (up to 3×3 matrices), Properties of determinants, minors, co-factors, 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.</p>
May	<ol style="list-style-type: none"> 1. Relations and Functions 2. Inverse Trigonometric Functions 3. Linear Programming 	<ol style="list-style-type: none"> 1. Relations and Functions 2. Inverse Trigonometric Functions 3. Linear Programming 	<p>Relations and Functions: -Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, inverse of a function.</p> <p>Inverse Trigonometric Functions: Definition, range, domain, principal value branch, Elementary properties of inverse trigonometric functions</p> <p>Linear Programming: Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, 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).</p>
July	Continuity and Differentiability	Continuity and Differentiability	<p>Continuity and Differentiability: Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric functions, 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.</p>

August	<ol style="list-style-type: none"> 1. Application of Derivatives 2. Integrals 	<ol style="list-style-type: none"> 1. Application of Derivatives 2. Integrals 	<p>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)</p> <p>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 problems based on them. Definite integrals, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p>
September	<ol style="list-style-type: none"> 1. Application of the Integrals 2. Differential Equations 	<ol style="list-style-type: none"> 1. Application of the Integrals 2. Differential Equations 	<p>Applications of the Integrals: Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only), Area between any of the two above said curves (the region should be clearly identifiable)</p> <p>Differential Equations: Definition, order and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the different types.</p>
October	<ol style="list-style-type: none"> 1. Vectors 2. Three Dimensional Geometry 3. Probability 	<ol style="list-style-type: none"> 1. Vectors 2. Three Dimensional Geometry 3. Probability 	<p>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, scalar triple product of vectors.</p> <p>Three - dimensional Geometry: Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane.</p> <p>Probability: Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean and variance of random variable. Binomial probability distribution.</p>

November	Revision	Revision	Activity File Submission and practice of Sample Papers and PYQs

Class : XII

Subject: ENGLISH

Month	Unit	Chapter	Topics
April	NA	Flamingo -The Last Lesson, My Mother at Sixty -Six Vistas - The Third Level	The Last Lesson (Prose) My Mother at Sixty Six (Poem) The Third Level (Prose) Writing Skills: Notice Writing
May	NA	Flamingo - Lost Spring, Going Places Vistas - The Tiger King	The Lost Spring (Prose) Going Places (Prose) The Tiger King (Prose)
July	NA	Vistas -The Enemy Flamingo -Keeping Quiet, The Interview Writing Skills: Letter to the Editor	The Enemy (Prose) Keeping Quiet (Poem), The Interview (Prose) Writing Skills: Letter to the Editor
August	NA	Flamingo -Deep Water, The Rattrap, Indigo, Poets and Pancakes Writing Skills: Invitation	Deep Water (Prose) The Rattrap (Prose) Indigo (Prose) Poets and Pancakes (Prose) Writing Skills: Invitation
September	NA	Revision for Term 1	
October	NA	Vistas - Journey to the end of the Earth Flamingo - A Thing of Beauty, A Roadside Stand Writing Skills: Report Writing	Journey to the end of the Earth (Prose) A Thing of Beauty (Poem) A Roadside Stand (Poem) Writing Skills: Report Writing
November	NA	Vistas -On the Face of It. Memories of Childhood Flamingo -A Roadside Stand, Aunt Jennifer's Tiger	On the face of It (Prose) Memories of Childhood (Prose) A Roadside Stand (Poetry)

		Writing skills: Article Writing, Application for a job	Aunt Jennifer's Tigers (Poetry) Writing skills: Article Writing, Application for a job
December		Pre-Board (REVISION)	
January		REVISION	
February		REVISION	

Class XII (Theory)		SUBJECT: PHYSICAL EDUCATION	
MONTH	UNIT	CHAPTER	TOPICS
MARCH -APRIL	Unit I: Managem ent of Sporting Events	Management of Sporting Events	<ol style="list-style-type: none"> 1. Functions of Sports Events Management (Planning, Organising, Staffing, Directing & Controlling) 2. Various Committees & their Responsibilities (pre; during & post) 3. Fixtures and their Procedures – Knock-Out (Bye & Seeding) & League (Staircase, Cyclic, Tabular method) and Combination tournaments. 4. Intramural & Extramural tournaments – Meaning, Objectives & Its Significance 5. Community sports program (Sports Day, Health Run, Run for Fun, Run for Specific Cause & Run for Unity)
MAY	Unit II: Children & Women in Sports	Children & Women in Sports	<ol style="list-style-type: none"> 1. Exercise guidelines of WHO for different age groups. 2. Common postural deformities-knock knees, flat foot, round shoulders, Lordosis, Kyphosis, Scoliosis, and bow legs and their respective corrective measures. 3. Women’s participation in Sports – Physical, Psychological, and social benefits. 4. Special consideration (menarche and menstrual dysfunction) 5. Female athlete triad (osteoporosis, amenorrhea, eating disorders).
JULY	Unit III: Yoga as Preventive Measure for Lifestyle Disease	Yoga as Preventive Measure for Lifestyle Disease	<ol style="list-style-type: none"> 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, Bhujang asana, Shalabhasana, Dhanurasana, Suptavajarasana, Paschimottanasan -a, Ardha -Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati. 3. Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasan -a, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalbhati, Gomukhasana Matsyaasana, Anuloma - Viloma. . Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakransan, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, UttanMandukasan-a, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadishodhanapranayam, Sitlipranayam.

			5. Back Pain and Arthritis: Procedure, Benefits & Contraindications of Tadasan, Urdhawahastootansana, Ardh-Chakrasana, Ushtrasana, Vakrasana, Sarala Maysyendrsana, Bhujandgasana, Gomukhasana, Bhadrasana, Makarasana, NadiShodhana pranayama.
AUGUST	Unit IV: Physical Education and Sports for CWSN (Children with Special Needs - Divyang)	Physical Education and Sports for CWSN (Children with Special Needs - Divyang)	<ol style="list-style-type: none"> 1. Organisations 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.
	Unit V: Sports & Nutrition	Sports & Nutrition	<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
SEPTEMBER	TERM I EXAMINATION		
<u>Physical Education Test</u> Fitness Test – SAI Khelo India Fitness Test in school: Age group 5-8 years/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test		<u>ACTIVITIES:</u> <ol style="list-style-type: none"> 1. Volleyball Ground Marking 2. Basketball Ground Marking 	

<p>SYLLABUS:</p> <p><u>UNIT TEST:</u></p> <p>1. Management of Sporting Events 2. Children & Women in Sports</p>	<p>SYLLABUS:</p> <p><u>TERM 1 EXAMINATION:</u></p> <p>1. Management of Sporting Events 2. Children & Women in Sports 3. Yoga as Preventive Measure for Lifestyle Disease 4. Physical Education and Sports for CWSN (Children with Special Needs - Divyang) 5. Sports & Nutrition</p>
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MONTH	UNIT	CHAPTERS	TOPIC
OCTOBER	Unit VI: Test & Measurement in Sports	Test & Measurement in Sports	<p>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 Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Partial Abdominal Curl Up, PushUps for boys, Modified Push-Ups for girls).</p> <p>2. Measurement of CardioVascular Fitness – Harvard Step Test – Duration of the Exercise in Seconds x100/5.5 X Pulse count of 1-1.5 Min after Exercise.</p> <p>3. Computing Basal Metabolic Rate (BMR)</p> <p>4. Rikli & Jones - Senior Citizen Fitness Test Chair Stand Test for lower body strength Arm Curl Test for upper body strength Chair Sit & Reach Test for lower body flexibility Back Scratch Test for upper body flexibility Eight Foot Up & Go Test for Agility Six-Minute Walk Test for Aerobic Endurance</p> <p>6. Johnsen – Methney Test of Motor Educability (Front Roll, Roll, Jumping Half-Turn, Jumping full turn)</p>

	Unit VII: Physiology & Injuries in Sport	Physiology & Injuries in Sport	<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)
NOVEMBER	Unit VIII: Biomechanics and Sports	Biomechanics and Sports	<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
	Unit IX: Psychology and Sports	Psychology and Sports	<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
	Unit X:	Training in Sports	<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
DECEMBER & JANUARY	REVISION & PRE-BOARD EXAMINATION		
FEBRUAR Y & MARCH	CBSE BOARD EXAMINATION		

<u>Physical Education Test</u>	ACTIVITIES:
<p>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</p> <p>3. Rikli & Jones - Senior Citizen Fitness Test Chair Stand Test for lower body strength Arm Curl Test for upper body strength Chair Sit & Reach Test for lower body flexibility Back Scratch Test for upper body flexibility Eight Foot Up & Go Test for Agility Six-Minute Walk Test for Aerobic Endurance</p>	<p>Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)</p> <p>Proficiency in Games and Sports (Skill of any one IOA recognized Sport/Game of Choice)</p> <p>Yogic Practices</p> <p>Record File</p> <p>Viva Voce (Health/ Games & Sports/ Yoga)</p>