



ANAND NIKETAN SCHOOL

CBSE Affiliation No: 430168

An initiative of Sarjan Foundation

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GRADE 11 -SPLIT UP SYLLABUS-(2025-2024)

English

Month	No. Of Teaching Days		
April	21		
June	22		
July	18		
August	23		
September	11		
October	22		
November	14		
December	23		
January	16		
February	21		

Chemistry

Month	No. of working days	Chemistry	Content/Sub Topic	Activity
April	21			
June	22			
July	6+12			
August	23			
September	5+6			
October	22			
November	14			
December	23			
January	16			

Physics

April	21	Electric Charges and Fields(Ch-1)	Electric charges,Conservation of charge,	
June	22			
July	23			
August	23			
September	5+6			
October	22			
November	14			
December				
January	16			
February				

Biology

April	22			
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June	18	Chapter 1 The Living World	Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature	
		Chapter 2: Biological Classification	Kingdom Monera, Protista, Fungi, plantae And Animalia, Viruses, Viroids And Lichens	Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast.
		Chapter 3: Plant Kingdom	Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta	Specimens/slides/models and identification with reasons - liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen
		Chapter-4: Animal Kingdom	Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level	Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.
July	20	Chapter-5: Morphology of Flowering Plants	Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae	---Study and describe locally available common flowering plants, from family Solanaceae including dissection and display of floral formulae and floral diagrams, ---Different types of inflorescence (cymose and racemose).
		Chapter-6: Anatomy of Flowering Plants	Anatomy and functions of tissue systems in dicots and monocots.	Preparation and study of T.S. of dicot and monocot roots and stems (primary).
		Chapter 7: Structural Organisation In Animals	Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog	
August	22	Chapter 8: Cell: The Unit Of Life	Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus	---Study of osmosis by potato osmometer. --- Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb)
		Chapter 9: Biomolecules	Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action.	Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials
		Chapter 10: Cell Cycle And Cell	Cell cycle, mitosis, meiosis and their significance	Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
September	11	Chapter 11: Photosynthesis In Higher Plants	Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis, photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.	---Separation of plant pigments through paper chromatography. ---Study of distribution of stomata on the upper and lower surfaces of leaves. ---Comparative study of the rates of transpiration in the upper and lower surfaces of leaves
October	14	Chapter 12: Respiration In Plants	Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds
		Chapter 13: 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, plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.	
November	15	Chapter 14: Breathing And Exchange Of Gases	Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.	
		Chapter 15: Body Fluids And Circulation	Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels. cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure	
December	25	Chapter 16: Excretory Products And Their Elimination	Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system - structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.	Test for presence of urea in urine. Test for presence of sugar in urine. Test for presence of albumin in urine. Test for presence of bile salts in urine
		Chapter 17: Locomotion And Movement	Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.	Human skeleton and different types of joints with the help of virtual images/models only.
January	13	Chapter 18: Neural Control And Coordination	Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse	
February	22	Chapter-19: Chemical Coordination and Integration	Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease	
REVISION				

Mathematics				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	6+12			
August	23			
September	5 + 6			
October	22			
November	14			
December	23			

January	16			
February	21			

Accountancy

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	6+12			
August	23			
September	5+6			
October	24			
November	14			
December	23			
January	16			
February				

Business Studies

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	6+12			
August	23			
September	5+6			
October	22			
November	14			
December	23			
January	16			
February	21			

Economics

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
August	23			
September	5+6			
October	22			
November	14			
December	23			
January	23			
February	16			

Entrepreneur

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	6+12			
August	23			
September	5+6			

October	22				
November	14				
December					
	23				
January					
	16				
February					
	21				
Political Science					
GRADE 12 -SPLIT UPSYLLABUS-(2025-2026)					
Political Science					
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical	
April		Part-1 Chapter 1- The End of Bipolarity	Topics to be focused: 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	Group Discussion: Causes and consequences of disintegration of USSR Documentaries-Past & present situations in USSR/Post Soviet Republics Analysis of relevant newspaper articles	
	21	Part-1 Chapter 2Contemporary Centres of Power	Topics to be focused: a) European Union b) Association of Southeast Asian Nations	Discussion: Importance on regional organisations Comparative study.	
June		Part-1 Chapter 2Contemporary Centres of Power (cont...)	e) Rise of China as an economic power d) Japan and South Korea as emerging powers	Economic growth of China, Japan and South Korea. Use of timeline Inquiry based learning Map activity Interpretation of cartoons/ Pictures/ Newspaper clippings	
	22	Part-2 Chapter:1Challenges of Nation-Building	Topics to be focused: a) Challenges for the new Nation. □ Three Challenges. b) Partition: Displacement and Rehabilitation. □ Consequences of Partition.	Documentaries Discussion: Causes and consequences of Partition Live Experiences-Meeting People who lived through this period.	
July		Part-2 Chapter:1Challenges of Nation-Building	c) Integration of Princely States. □ The problem □ Government's approach □ Hyderabad □ Manipur d) Reorganisation of States	Cartoon Interpretation Map Activity	
	6+12	Part-2 Chapter:3Politics of Planned Development	Politics of Planned Development Topics to be focused: a) Political contestation. □ Ideas of Development. □ Planning □ Planning Commission b) The Early Initiatives □ The First Five Year Plan. □ Rapid Industrialisation	Politics of Planned Development Topics to be focussed: a) Political contestation. □ Ideas of Development. □ Planning □ Planning Commission b) The Early Initiatives □ The First Five Year Plan. □ Rapid Industrialisation	
August		Part-2 Chapter:2 Era of One-Party Dominance	Era of One-Party Dominance Topics to be focussed: a) Challenge of building democracy		
			b) Congress dominance in the first three general elect ions. □ Nature of Congress dominance □ Congress as social and ideological coalition. □ Tolerance and management of Factions c) Emergence of opposition parties	Maps/Cartoons Question strategy Quiz	
	23	Part-2 Chapter:4 India's External Relations	a) International Context b) The Policy of Non-Alignment. □ Nehru's role □ Distance from two camps. □ Afro Asian Unity c) Peace and conflict with China □ The Chinese Invasion 1962 □ War and Peace with Pakistan □ Bangladesh War 1971 d) India's Nuclear Policy.	Presentation: NAM founders, objectives, principles and its relevance in contemporary world politics Group discussion: India's relations with China and Pakistan (past, present and future) Debate: India's stand on shifting alliances Research and Report Writing	
September	5 + 6	Part-1 Chapter:3Contemporary 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	Map activity Comparative Analysis: Political systems of South Asian countries Use of Historical data Interpretation of cartoons/Pictures/Newspaper clippings Discussion: Current economic crisis in Sri Lanka and Pakistan	
October		Part-1 Chapter:4 International Organizations	a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations 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	Discussion and debate: Necessary reforms of the UN After completion of the chapter, Students will be able to: Topics to be focused: a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations 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 Interpretation of cartoons /Newspaper clippings Quiz Model United Nations	
			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?	Use of timeline Comparative analysis: Political Succession Group discussion: Changing electoral performance of the congress Interpretation of cartoons Map Activity	
		Part-2 Chapter:5Challenges to and Restoration of the Congress System			
	22	Part-2 Chapter:6The Crisis of Democratic Order	a) Background to Emergency. □ Economic Context. □ Gujarat and Bihar Movements □ Conflict with Judiciary b) Declaration of Emergency □ Crisis and response □ Consequences Group discussion: Based on Newspaper articles and other media information with respect to emergency, c) Lessons of the Emergency.	Group discussion: Based on Newspaper articles and other media information with respect to emergency Quiz Cartoon Interpretation Map Activity	
November		Part-1 Chapter:5 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	Discussions and debates: New sources of threat Comparative analysis: Security concerns of different countries Interpretation of cartoons/Pictures Collaborative concept mapping: India's initiatives and policies towards security.	
		Part-2 Chapter: 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 Nationa	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 Nationa	
	14	Part-2 Chapter:8 Recent Developments in Indian Politics	Topics to be focused a) Context of 1990s b) Era of Coalition □ Alliance Politics c) Political rise if the Backward Classes □ Mandal Implemented □ Political Fallout d) Communalism, Secularism and Democracy. □ Ayodhya Dispute □ Demolition and after e) Emergence of New Consensus f) Lok Sabha Elections 2004 g) Growing Consensus	Comparative analysis: Different developments taking place in present scenario with that of twentieth century. Timeline Interpretation of Cartoons/Caricatures Quiz Reflective Enquiry	
December		Part-1 Chapter:6 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	Presentation: Environmental issues Recapitulation Debate and discussion: Indigenous communities of the world and their concerns Newspaper activity to inculcate concern, awareness and environmental morality	
	23	Part-1 Chapter : 7 Globalisation	a) Concept of globalisation b) Causes and Consequences of globalisation c) India and globalization d) Resistance to globalization e) India and resistance to globalisation	Group discussion: Positive and negative impact of globalization. Interpretation of Cartoons Question strategy	
January	16				
February	21	Pre- Boards & Board Examination			
Psychology					
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical	

April				
	21			
June	22			
July	6+12			
August	23			
September	5+6			
October	22			
November	14			
December	23			
January				
	16			
February				
	21			

Sociology				
Month	No. Of Teaching Days	chapter name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	6+12			
August	23			
September	5+6			
October	22			
November	14			
December	23			
January				
	16			
February				
	21			

Physical Education				
Month	No. Of Teaching Days	Chapter's Name	Topics	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	18(6+12)			
August	23			
September	11(5+6)			
October	22			
November	14			
December	23			
January	16			
February	21			

Computer Science				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
June	22	1. Computer Systems and Organisation	Basic Computer Organisation: Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB). Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software.	Write down the names of commonly used Software with the help of example. Comparison between different Memory Units.
		2. Boolean Logic	Operating system (OS): functions of operating system, OS user interface, Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De Morgan's laws and logic circuits.	Draw Truth table to define Boolean Logic.
		3. Data Representation	Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems. Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32).	Write base values of binary, octal and hexadecimal number system and perform Conversion.
July	18(6+12)	4. Cyber Safety	Introduction .What is Cyber Safety, Identity Protection While Using Internet Confidentiality of Information, Cyber Crime, Appropriate Usage of Social Networks.	Classify the statements as legitimate or illegitimate while surfing online websites/gaming.
		6. Getting Started with Python	Introduction to problem solving: Steps for problem solving (analysing the problem, developing an algorithm, coding, testing and debugging); representation of algorithms using flow chart and pseudo code, decomposition, Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode.	
August	23	7. Python Fundamentals	Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments	
		8. Data Handling	Knowledge of data types: number (integer, floating point, complex), boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types, Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in) , Expressions, statement, input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion, Errors.	
September	11(5+6)	9. Conditional and Iterative Statements	Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control, Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs, iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc.	Programs based on Conditional statements (absolute value, sort 3 numbers and divisibility of a number generating pattern, summation of series, finding the factorial of a positive number etc)
October	22	10. String Manipulation	Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control, Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs, iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc.	Programs based on String.
		11. List Manipulation	Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists.	Programs based on List (finding the maximum, minimum, mean of numeric values stored in a list, linear search on list of numbers and counting the frequency of elements in a list)
November	14	12. Tuples	Introduction, indexing, tuple operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple, linear search on a tuple of numbers.	Programs based on Tuples.
December	23	13. Dictionary	Dictionary: introduction, accessing items in a dictionary using keys, mutability of dictionary (adding a new item, modifying an existing item), traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del(), clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy().	Programs based on Dictionaries. (Count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them)

January	16	5. Online Access and Computer Security	Introduction, Threats to Computer Security, Solutions to Computer Security Threats , Firewall E-waste management; proper disposal of used electronic gadgets, Indian Information Technology Act (IT Act), Technology & Society; Gender and disability issues while teaching and using computers.	Define the major solutions to handle Computer Security Threats. Explore and find out how to file a complaint with the cyber cell in your area.
February	21	Revision		
Painting				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22			
July	18(6+12)			
August	23			
September	11(5+6)			
October	22			
November	14			
December	23			
January	16			
February	21			



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GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)

Month	No. Of Teaching Days	Literature	Grammar and Writing skills	Activities			
April	21						
		1 - The Portrait of a Lady	Tenses : present, past & future.	Textual questions/ Extra questions/ Assignments/Character sketches			
		2 - A Photograph (Poem) &Figures of Speech,		Textual exercises/Literary devices/ Worksheet			
June	22						
			Gap filling exercises	Analytical writing, Reading Comprehension.			
July	18		Classified Advertisements				
		3- We're Not Afraid to Die...if We Can All Be Together		Textual questions/ Extra questions/ Assignments/Character sketches			
		6 - The Summer of the Beautiful White Horse		Textual exercises/Extracts/ Value based/ Character sketches			
August	23		Speech Writing	Textual exercises/Extracts/ Value based/ Character sketches			
September	11	7 - The Address	Re-ordering of sentences	Analytical writing, Reading Comprehension.			
		8 - The Voice of the Rain (Poem) &Figures of Speech	- Note Making	Assignments, comprehension questions and poetic devices.			
		9- Childhood	Debate Writing, (thematically related to contemporary, topical issues)	Assignments, comprehension questions and poetic devices.			
October	22		Clauses, Phrases & conjunctions	Draft a debate for and against			
		The Adventure	Poster Making	Textual exercises/Extracts/ Value based/ Character sketches			
		10- Mother's Day		Textual exercises/Extracts/ Value based/ Character sketches			
November	14						
		11- Birth		Textual exercises/Extracts/ Value based/ Character sketches			
			Transformation of sentences	Analytical writing, Reading Comprehension.			
December	23	12- Silk Road	Note Making, summarization	Analytical writing, Reading Comprehension.			
January	16	13 -Father to son (Poem) &Figures of Speech		Assignments, comprehension questions and poetic devices.			
February	21	14- The Tale of Melon City		Textual exercises/Extracts/ Value based/Character sketches			

GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)					
Month	No.of working days	Physics	Content/Sub Topic	Activity/Experiment	
April	22	Chapter-1: Units and Measurements	Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures. Dimensions of physical quantities, dimensional analysis and its applications.	To measure diameter of a small spherical/cylindrical body using Vernier Callipers .	
		Chapter-2: Motion in a Straight Line	Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non-uniform motion, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).		
May	2	Chapter-2: Motion in a Straight Line		To measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.	
June				To measure diameter of a given wire using screw gauge and find its volume	
		Chapter-4: Motion in a Plane	Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform accelerationprojectile motion, uniform circular motion.	To Determine the volume of an irregular lamina using a Screw Gauge.	
	18	Laws of Motion- 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. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).		
July	20	Chapter-6: Work, Energy and Power	Work done by a constant force and a variable force; kinetic energy, workenergy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.	To study the variation in range of a projectile with angle of projection	
		Chapter-7: System of Particles and Rotational Motion	Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications, Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).		
August	22	Chapter-7: System of Particles and Rotational Motion conti...	Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.		
		Chapter 8 Gravitation	Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite.		
September	11	Chapter 8 Gravitation	Acceleration due to gravity and its variation with altitude and depth.		
October	14	Chapter-9: Mechanical Properties of Solids	Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio, elastic energy.	To determine radius of curvature of a given spherical surface by a spherometer. To measure the force of limiting friction for rolling of a roller on a horizontal plane.	
		Chapter-10: Mechanical Properties of Fluids	Pressure due to a fluid column: Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.		
		Chapter-11: Thermal Properties of Matter	Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity; Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law .	To study the relationship between the temperature of a hot body and time by plotting a cooling curve.	

			Thermal equilibrium and definition of temperature zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics; Second law of thermodynamics; gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.	To study the effect of load on depression of a suitably clamped metre scale loaded at (i) its end (ii) in the middle.		
November	15	Chapter-12: Thermodynamics				
December		Chapter-12: Thermodynamics continue...	First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.			
		Chapter-13: Kinetic Theory	Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.	To find the weight of a given body using parallelogram law of vectors. 2) Using a simple pendulum, plot its L-T ² graph and use it to find the effective length of second's pendulum.		
	25	Chapter-14: Oscillations	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their application. Simple harmonic motion (S.H.M) and its equations of motion; phase; oscillations of a loaded spring-restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period	To find the force constant of a helical spring by plotting a graph between load and extension.		
January		Oscillations and Waves -Chapter-14: Oscillations	oscillations of a loaded spring-restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period	To study the relation between frequency and length of a given wire under constant tension using sonometer.		
	13	Chapter-15: Waves	Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.			
February	22	Revision for Annual Examination.				

GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)				
Month	No.of working days	Chemistry	Content/Sub Topic	Activity
June	18	Chapter 1: Some Basic Concepts of Chemistry	General Introduction: Importance and scope of Chemistry, Nature of matter, laws of chemical combination, Dalton's atomic theory- concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry. Concentration terms	Volumetric Analysis
July	20	Chapter 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. Bohr's model and its limitations, concept of shells and subshells. Dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.	Volumetric Analysis
August	22	Chapter 3-Classification of Elements and Periodicity in Properties	Significance of classification, brief history of the development of periodic table, Modern periodic law and the present form of periodic table, periodic trends in properties of elements- atomic radii, ionic radii, inert gas radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency, Nomenclature of elements with atomic number greater than 100	Volumetric Analysis
		Chapter 4- Chemical Bonding and Molecular Structure	Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules	
September	11	Chapter 4- Chemical Bonding and Molecular Structure (cont.)	VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), Hydrogen bond.	Volumetric Analysis
October	14	Chapter 5-Thermodynamics	1st, 2nd and 3rd law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH , Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution	Salt Analysis
November	15	Chapter 7-Equilibrium	Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium Le Chatelier's principle, ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea), buffer solution.	Salt Analysis
December	25	Chapter 8- Redox Reaction	Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.	Salt Analysis
		Chapter 12-Organic Chemistry -Some Basic Principles and Techniques	IUPAC nomenclature of organic compounds, Electronic displacements in a covalent bond: inductive effect, electromeric effect, Resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.	
January	13	Chapter 13 Hydrocarbons	Nomenclature of alkane, alkene and alkyne, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis, addition of hydrogen, ozonolysis, oxidation, mechanism of electrophilic addition, introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution, Nitration, sulphonation, halogenation, Friedel Crafts alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.	Salt Analysis
February	22	Chapter 13 Hydrocarbons(conti...)		Salt Analysis/Volumetric Analysis
		Revision	Revision	

GRADE 11 Sci-SPLIT UP SYLLABUS-BIOLOGY(2025-2026)				
Month	No. Of Teaching Days	Chapter No./ Chapter's Name	Topics	Activities/Experiments
April	22			
June	18	Chapter 1 The Living World	Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature	
		Chapter 2: Biological Classification	Kingdom Monera, Protista, Fungi, plantae And Animalia, Viruses, Viroids And Lichens	Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast.
		Chapter 3: Plant Kingdom	Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta	Specimens/slides/models and identification with reasons - liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen
		Chapter-4: Animal Kingdom	Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level	Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.
July	20	Chapter-5: Morphology of Flowering Plants	Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae	---Study and describe locally available common flowering plants, from family Solanaceae including dissection and display of floral formulae and floral diagrams, ---Different types of inflorescence (cymose and racemose).
		Chapter-6: Anatomy of Flowering Plants	Anatomy and functions of tissue systems in dicots and monocots.	Preparation and study of T.S. of dicot and monocot roots and stems (primary).
		Chapter 7: Structural Organisation In Animals	Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog	
August	22	Chapter 8: Cell: The Unit Of Life	Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus	---Study of osmosis by potato osmometer. ---Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb)
		Chapter 9: Biomolecules	Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action.	Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials
		Chapter 10: Cell Cycle And Cell	Cell cycle, mitosis, meiosis and their significance	Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
September	11	Chapter 11: Photosynthesis In Higher Plants	Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis, photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.	---Separation of plant pigments through paper chromatography. ---Study of distribution of stomata on the upper and lower surfaces of leaves. ---Comparative study of the rates of transpiration in the upper and lower surfaces of leaves
October	14	Chapter 12: Respiration In Plants	Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds
		Chapter 13: 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; plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.	
November	15	Chapter 14: Breathing And Exchange Of Gases	Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.	
		Chapter 15: Body Fluids And Circulation	Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels. cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure	

December	25	Chapter 16: Excretory Products And Their Elimination	Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.	Test for presence of urea in urine. Test for presence of sugar in urine. Test for presence of albumin in urine. Test for presence of bile salts in urine
		Chapter 17: Locomotion And Movement	Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.	Human skeleton and different types of joints with the help of virtual images/models only.
January	13	Chapter 18: Neural Control And Coordination	Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse	
February	22	Chapter-19: Chemical Coordination and Integration	Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease	
		REVISION		

GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)

Mathematics

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	22			
May	2			
June	18	Ch- 1 Sets	Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.	Activity 1: To represent set theoretic operations using Venn diagrams.
		Ch-2 Relations & Functions	Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial.	Activity 2: To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2^{pq}
July	20	Ch-3 Trigonometric Functions	Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the	Activity 3: To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in the first quadrant.
August	22	Ch- 4 Complex Numbers and Quadratic Equations	Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane	Activity 4: To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.
		Ch- 5 Linear Inequalities	Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line	Activity 5: To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0$, where $a, b > 0$, $c < 0$ represents only one of the two half planes.
		Ch- 6 Permutations and Combinations	Fundamental principle of counting. Factorial n . $(n!)$ Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.	Activity 6: To find the number of ways in which three cards can be selected from given five cards
September	11	Ch - 7 Binomial Theorem	Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.	Mind Map of Pascal triangle
		Ch- 14 Probability	Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events	Activity 7: To write the sample space, when a die is rolled one, twice,....
October	14	Ch- 8 Sequence and Series	Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.	Activity 8: To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
November	15	Ch- 9 Straight Lines	Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line	Mind Map of formulae
December	25	Ch- 10 Conic Sections	Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle	Activity 9: To construct an ellipse when two fixed points are given.
		Ch- 11 Introduction to Three-dimensional Geometry	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points	Activity 10: To explain the concept of octants by three mutually perpendicular planes in the space
		Ch- 12 Limits and Derivatives	Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions.	Mind Map/ Quiz
January	13	Ch- 12 Limits and Derivatives (Continued)	Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.	-
		Ch- 13 Statistics	Measures of Dispersion: Range, Mean deviation	Group assessment
February	22	Ch- 13 Statistics (Continued)	variance and standard deviation of ungrouped/grouped data	-
		Revision	Revision	-

GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)

Mathematics

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
June	18	Ch- 1 Sets	Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.	Activity 1: To represent set theoretic operations using Venn diagrams.
		Ch-2 Relations & Functions	Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $\mathbb{R} \times \mathbb{R} \times \mathbb{R}$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer, modulo, sine, cosine, arcsine, arccosine and arctangent functions.	Activity 2: To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2^p raised to 2^q
July	20	Numbers, Quantification and Numerical Applications	Understand about prime numbers 2) Learn how to encrypt data using prime numbers 3) Understand the concept of binary numbers a) How it is different from Decimal Number System b) Conversion of decimal number to binary number and vice versa c) Conversion of binary number to decimal number	
August	22	Ch- 4 Complex Numbers and Quadratic Equations	Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane	Activity 4: To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.
		Ch- 5 Linear Inequalities	Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line	Activity 5: To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0$, where $a, b > 0$, $c < 0$ represents only one of the two half planes.
		Ch- 6 Permutations and Combinations	Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.	Activity 6: To find the number of ways in which three cards can be selected from given five cards
September	11			
		Ch- 14 Probability	Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events	Activity 7: To write the sample space, when a die is rolled one, twice,....
October	14	Ch- 8 Sequence and Series	Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.	Activity 8: To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
November	15	Ch- 9 Straight Lines	Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line	Mind Map of formulae
December	25	Ch- 10 Conic Sections	Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle	Activity 9: To construct an ellipse when two fixed points are given.
		Ch- 11 Introduction to Three-dimensional Geometry	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points	Activity 10: To explain the concept of octants by three mutually perpendicular planes in the space
		Ch- 12 Limits and Derivatives	Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial	Mind Map/ Quiz
January	13	Basics Of Financial Math	Calculating Compound Interest, Annuity, calculations of Returns, Compound annual growth rate (CAGR), GST, Concept of Banking.	Prepare project in Excel
February	22	Ch- 13 Statistics	Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data	

GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)

Accountancy				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
June	18	PART A: FINANCIAL ACCOUNTING - I	Accounting- concept, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information. Role of Accounting in Business.	Study about Business accounting system
		Unit-1: Theoretical Framework	Fundamental accounting assumptions: GAAP: Concept Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency.	Study of Chartered Accountant institute of India Theory
July	20	Unit-2: Accounting Process	Golden Rules of Debit and Credit Journal Entry , transactions	Learn and Chart making for Golden rules
August	22	Unit-2: Accounting Process	Need and preparation, Bank Reconciliation Statement with Adjusted Cash Book	
September	11	Unit 3 Depreciation	Depreciation: Concept, Features, Causes factor Depreciation: Concept, Features, Causes, factor , Ledger for Depreciation and other Accounts	
October	14	Bank Reconciliation statement	Concept of Bank reconciliation statements Balances as per passbook and cashbook	
November	15	Reserves And Provisions	Concept ,meaning and types of reserves and provisions, Suspense account	Mind map making for reserve and provision
December	25	PART B: FINANCIAL ACCOUNTING - II For Sole Business		
		Financial Statements Without Adjustments	Trading account and Profit loss account	
January	13	Financial Statement with Adjustments	Trading account, Profit loss account and balance sheet	
February	22	Revision and Project	project	

GRADE 11 -SPLIT UP SYLLABUS-(2025-2026)

Business Studies

Month	No. of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
June	18	Chp 1- Evolution and Fundamentals of Business	History of Trade and Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy Business – meaning and characteristics Business, profession and employment –Concept Objectives of business Classification of business activities - Industry and Commerce Industry-types: primary, secondary, tertiary - Meaning and subgroups Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning Business risk-Concept	Discussion on auxiliaries trade
July	20	Chp 2- Forms of Business Organization	Sole Proprietorship-Concept, merits and limitations Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners Hindu Undivided Family Business:Concept Cooperative Societies-Concept, merits, and limitations. Company - Concept, merits and limitations; Types: Private, Public and One Person Company – Concept Formation of company - stages, important documents to be used in formation of a company Choice of form of business organization	Deep study of Indian partnership Act 1932
		Chp 3- Private, Public and Global Enterprises	Choice of form of business organization Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company Global Enterprises – Feature Joint venture Public private partnership – concept	Assignment on Multinational and Public sector unit
August	22	Chp 4- Business Services	Business services – meaning and types. Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multiple option deposit account Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking: meaning, types of digital payments Insurance – Principles, Types – life, health, fire and marine insurance – concept Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning	Understand the utility of Net Banking and other financial services
		Chp 5- Emerging Modes of Business	E-business: concept, scope and benefits	PPT preparation on Advantages and Disadvantages of E-Business
September	11	Chp 6- Social Responsibilities of Business and Business Ethics	Concept of social responsibility, Case of social responsibility, Responsibility towards owners, investors, consumers, employees, government and community, Role of business in environment protection, Business Ethics - Concept and Elements	Class discussion on the topic of Social Responsibility of Business firms
October	14	Chp 7- Sources of Business Finance	Concept of business finance Owners' funds- equity shares, preference share, retained earnings Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD)	A creative class on how do investment if you are a corporate/individual with the viability and limitation of each source.
November	15	Chp 8- Small Business and Enterprises	Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship. Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act). Role of small business in India with special reference to rural areas Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas	Note writing on startup India programme
December	25	Chp 9- Internal Trade	Internal trade - meaning and types services rendered by a wholesaler and a retailerTypes of retail-trade-Itinerant and small scale fixed shops retailers, Large scale retailers-Departmental stores, chain stores - concept, GST (Goods and Services Tax): Concept and key-features	Report on GST - concept and its features.
January	13	Chp 10- International Trade	International trade: concept and benefits, 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	An assignment on how WTO contributes towards international trade.
February	22	Revision and Project		

Split Syllabus Grade 11, 2025-26 Economics				
Month	No. of Working Days	Chapter	Topics Covered	Activity
June	18	Introduction Microeconomics (Micro)	Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; opportunity cost.	Role play to show and enact preference of consumers for one product over the other- in regular times and during sale times.
		Introduction Economics (Statistics)	What is Economics? Meaning, scope, functions and importance of statistics in Economics	Prediction of the economic future of the country through poster making
July	20	Consumer's Equilibrium and Demand (Micro)	Consumer's equilibrium – meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand – factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method.	Students will be asked to compare the price and demand of the any product during the lockdown period and same product during regular period and try to find the reasons of the same
		Use of Statistical Tools	Make questionnaire	Students will be asked to prepare a questionnaire on a topic selected by them, collect the data, organise it then using statistical tools present the data .As a project
August	22	Collection of data (Statistics)	sources of data – primary and secondary; how basic data is collected with concepts of Sampling, methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.	1. Students will identify various fixed shop retailers in nearby locality and will classify them according to the different types they have studied. 2. A study will be done on retailers selling second hand goods in nearby area? And will find out the category of the product that they deal in? Which products are suitable for resale? List will be prepared of some of their findings. And conclusion will be drawn.3. Students will prepare a report of difference in the retail business of yesterday and the times to come
		Organisation of Data (Statistics)	Meaning and types of variables; Frequency Distribution.	
September	11	Presentation of Data: (Statistics)	Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).	Diagrammatic and graphic presentation of 'The impact of Covid-19 on Tourism, hospitality and Entertainment industry'.
October	14	Producer Behaviour and Supply (Micro)	Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost: Short run costs – total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships. Revenue – total, average and marginal revenue – meaning and their relationship. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply – percentage-change method.	Initiate a discussion on ever rising prices of raw material and their impact on production cost. ? Should factors be given their salary? What measures to be taken in long run to overcome the losses?
November	15	Measures of Central Tendency (Statistics)	Arithmetic mean, median and mode Measures of Dispersion – absolute dispersion standard deviation); relative dispersion coefficient of variation)	students will calculate average pocket money of their respective class. Based upon repetitions they will find the trends in clothing.
December	25	Correlation (Statistics)	meaning and properties, scatter diagram; Measures of correlation – Karl Pearson's method (two variables ungrouped data), Spearman's rank correlation	Case Study
January	13	Introduction to Index Numbers (S)	meaning, types – wholesale price index, consumer price index, uses of index numbers; Inflation and index numbers. Fisher's method, Laspeyres's method, Paasche's Method, Aggregative expenditure method, Family budget method.	The economics behind the great cricket gameThe IPL- Identifying and the decision behind choosing the players , teams , the pricing of the tickets and the number of games per year..
February	22	Perfect Competition – Price Determination and simple applications (Micro)	Perfect competition – Features; Determination of market equilibrium and effects of shifts in demand and supply. Simple Applications of Demand and Supply: Price ceiling, price floor.	Share in a blog or whatsapp group the strategies adopted by the government to safeguard interest of the farmers in the market Discuss the role of the government to ensure adequate availability of food grains for the underprivileged

Split Syllabus Grade 11, 2025-26				
Entrepreneurship				
Month	No. of Working Days	Chapter	Topics Covered	Activity
April	22			
May	2			
June	18	Chapter 1 Entrepreneurship: Concept and Functions	<ul style="list-style-type: none"> Understand the concept of Entrepreneurship Explain the functions of Entrepreneurship Appreciate the need for Entrepreneurship in our economy State the myths, advantages and disadvantages of Entrepreneurship Describe the process of Entrepreneurship 	<p>"Cherry shoe polish originally started with a wax tin, then they came up with an idea of liquid shoe polish, and then a shoe shiner with sponge and finally a shoe shiner with a brush".</p> <p>List 5 such similar examples which have marked their place for innovation.</p>
July	20	Chapter 2 An Entrepreneur	<ul style="list-style-type: none"> Differentiate between various types of entrepreneurs Explain the competencies of an Entrepreneur Understand the meaning of Ethical Entrepreneurship Appreciate the importance of Ethical Entrepreneurship Highlight the value of ethics to an entrepreneur Understand the reasons for success and failure of Business Plan Differentiate between Entrepreneur and an employee State the meaning and describe the importance of Intrapreneurship in an organisation 	<p>(i) Identify problems the entrepreneur might encounter in running his/her business in an ethical manner.</p> <p>(ii) Develop a 10-point code of ethics for business.</p>
August	22	Chapter 3 Entrepreneurial Journey	<ul style="list-style-type: none"> Understand the concept of Business Plan Identify various personality types for starting any venture Understand the role of society and family in the growth of an Entrepreneur Differentiate between Feasibility Study and Business Plan Understand the reasons for success and failure of Business Plan Understand the organisation and direction of activities in a business venture 	<p>Women Entrepreneurs have braved the world and carved a niche for themselves. They have set examples for the woman power to identify their worth and prove their metal, be it Simone Tata, Indu Jain, Ela Bhatt, Jaswanti Ben Popat, Dr. Kiran M. Shaw, Mahima Mehra, Zia Modi, Anita Roddicks, Kalpana Saroj, to name a few.</p>
September	11	Chapter 4 Entrepreneurship as Innovation and Problem Solving.....Continue	<ul style="list-style-type: none"> Understand the role of entrepreneurs as problem solvers in society Appreciate the role of innovations in entrepreneurial ventures Explain the concept and importance of social entrepreneurship State the meaning of entrepreneurial risk and risk management Differentiate between internal and external risk Describe the role played by technology in creation of new forms of business Explain the different barriers of entrepreneurship Identify the various support structure available for promoting entrepreneurship Understand the term Business Incubator 	<p>Innovation' is the word that differentiates an entrepreneur from a businessman. Tata Nano is one such innovative product. Collect articles from magazine newspaper etc. on the latest innovations bought out by a few entrepreneurs and prepare a collage or a power point presentation on these innovations.</p>
October	14	Chapter 4 Entrepreneurship as Innovation and Problem Solving	<ul style="list-style-type: none"> Understand the role of entrepreneurs as problem solvers in society Appreciate the role of innovations in entrepreneurial ventures Explain the concept and importance of social entrepreneurship State the meaning of entrepreneurial risk and risk management Differentiate between internal and external risk Describe the role played by technology in creation of new forms of business Explain the different barriers of entrepreneurship Identify the various support structure available for promoting entrepreneurship Understand the term Business Incubator 	<p>Innovation' is the word that differentiates an entrepreneur from a businessman. Tata Nano is one such innovative product. Collect articles from magazine newspaper etc. on the latest innovations bought out by a few entrepreneurs and prepare a collage or a power point presentation on these innovations.</p>
November	15	Chapter 5 Concept of Market	<ul style="list-style-type: none"> Understand the concept of market and its evolution over the time. Understand the meaning and concept E-Business and E-Commerce. Its role in the modern day business community. Analyze the Market Environment at Micro and Macro Level. Explain the techniques of Market Research and the instruments used in the same. Appreciate the role of Market Survey as a source of collecting market information. Understand the strategy of market expansion and development. Understand the elements of trade and commerce Explain the concept of marketing mix and the four P's of marketing. Understand the concept, role and importance of Price. 	<p>Advertisement is one of the biggest ways to reach and convince customers to buy product. An advertisement in any form does make an impact on customers. In groups prepare an ad-mad show for a product of your choice.</p>
December	25	Chapter 6 Business Finance and Arithmetic	<ul style="list-style-type: none"> Understand the importance and technique of preparing a Cash Register. Understand the meaning and concept of the term Cash Inflow and Cash Outflow. Understand the concept of COST and its components- Start-up, Fixed and Variable Costs. Explain the terms- Unit Cost, Unit of Sale, Unit Price Calculate Per Unit Cost of a single product. Explain the concept of Profit, its calculation and the impact of direct and indirect expenses on the profit. Understand the importance and preparation of Income Statement. Appreciate the importance of Cash Flow Projections in the smooth flow of finances in the business. Understand the concept of Break Even Analysis. Understand the meaning and importance of Taxes. 	<p>Until fifty years ago, farmers around the world tended to grow the crops they wanted to eat, and enough extra to sell for the things they needed. Then science and farming mixed to create this thing called the Green Revolution which helped to increase the production and hence the export of items. Prepare a presentation on how revolutions or inventions helped in trade.</p>
January	13	Chapter 7 Resource Mobilization.....Continue	<ul style="list-style-type: none"> Identify the different types of resources Understand the selection process of human resources Describe the role and importance of a mentor State the meaning of fixed and working capital Explain the factors of affecting working capital Describe the meaning of capital structure Explain the different sources of finance Understand the concept of mentorship Highlight the role and importance of mentor Classify the business and industry Identify the various sources for an entrepreneur 	<p>In small groups, pick a business franchise to use as the basis for creating a franchise contract. Make a list of the items that would need to be included in all parts of the franchise contract. Be specific in estimating all necessary details. Next, try selling your business as franchise to any other class mate. See what items you can both negotiate to your advantage and prepare a report on it.</p>
February	22	Chapter 7 Resource Mobilization	<ul style="list-style-type: none"> Identify the different types of resources Understand the selection process of human resources Describe the role and importance of a mentor State the meaning of fixed and working capital Explain the factors of affecting working capital Describe the meaning of capital structure Explain the different sources of finance Understand the concept of mentorship Highlight the role and importance of mentor Classify the business and industry Identify the various sources for an entrepreneur 	<p>In small groups, pick a business franchise to use as the basis for creating a franchise contract. Make a list of the items that would need to be included in all parts of the franchise contract. Be specific in estimating all necessary details. Next, try selling your business as franchise to any other class mate. See what items you can both negotiate to your advantage and prepare a report on it.</p>
		Revision / Project Submission / Annual Viva voce		
March		Annual Theory Examination		

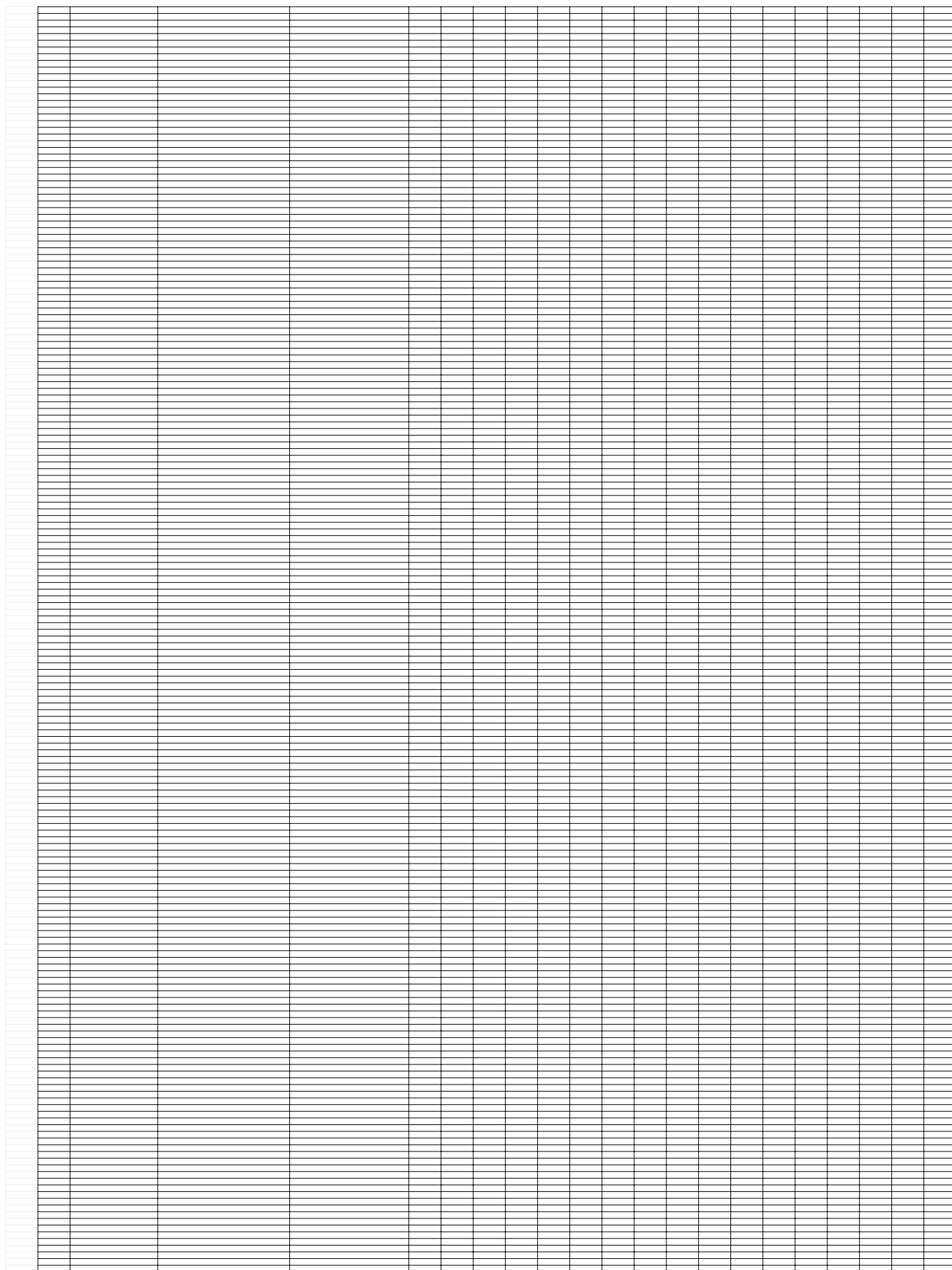
GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)					
Political Science					
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical	
April	21	Part-1 Chapter 1- The End of Bipolarity	Topics to be focused: a) The Soviet System b) Gorbachev and the disintegration c) Causes and Consequences of disintegration of Soviet Union d) Shock Therapy and its Consequences e) New entities in world politics <input type="checkbox"/> Russia <input type="checkbox"/> Balkan States <input type="checkbox"/> Central Asian States f) India's relations with Russia and other post-communist countries	Group Discussion: Causes and consequences of disintegration of USSR Documentaries-Past & present situations in USSR/Post Soviet Republics Analysis of relevant newspaper articles	
		Part-1 Chapter 2Contemporary Centres of Power	Topics to be focused: a) European Union b) Association of Southeast Asian Nations	Discussion: Importance on regional organisations Comparative study:	
June	22	Part-1 Chapter 2Contemporary Centres of Power (conti...)	c) Rise of China as an economic power d) Japan and South Korea as emerging powers	Economic growth of China, Japan and South Korea. Use of timeline Inquiry based learning Map activity Interpretation of cartoons/ Pictures/ Newspaper clippings	
			Topics to be focused: a) Challenges for the new Nation. <input type="checkbox"/> Three Challenges. b) Partition: Displacement and Rehabilitation. <input type="checkbox"/> Consequences of Partition.	Documentaries Discussion: Causes and consequences of Partition Live Experiences-Meeting People who lived through this period.	
		Part-2 Chapter:1Challenges of Nation-Building			
July	6+12	Part-2 Chapter:1Challenges of Nation-Building	c) Integration of Princely States. <input type="checkbox"/> The problem <input type="checkbox"/> Government's approach <input type="checkbox"/> Hyderabad <input type="checkbox"/> Manipur d) Reorganisation of States	Cartoon Interpretation Map Activity	
			Politics of Planned Development Topics to be focussed: a) Political contestation. <input type="checkbox"/> Ideas of Development. <input type="checkbox"/> Planning <input type="checkbox"/> Planning Commission b) The Early Initiatives <input type="checkbox"/> The First Five Year Plan. <input type="checkbox"/> Rapid Industrialisation	Politics of Planned Development Topics to be focussed: a) Political contestation. <input type="checkbox"/> Ideas of Development. <input type="checkbox"/> Planning <input type="checkbox"/> Planning Commission b) The Early Initiatives <input type="checkbox"/> The First Five Year Plan. <input type="checkbox"/> Rapid Industrialisation	
		Part-2 Chapter:3Politics of Planned Development			
August	23		Era of One-Party Dominance Topics to be focussed: a) Challenge of building democracy		
		Part-2 Chapter:2 Era of One-Party Dominance	b) Congress dominance in the first three general elect ions. <input type="checkbox"/> Nature of Congress dominance <input type="checkbox"/> Congress as social and ideological coalition. <input type="checkbox"/> Tolerance and management of Factions c) Emergence of opposition parties	Maps/Cartoons Question strategy Quiz	
			a) International Context b) The Policy of NonAlignment. <input type="checkbox"/> Nehru's role <input type="checkbox"/> Distance from two camps. <input type="checkbox"/> Afro Asian Unity c) Peace and conflict with China <input type="checkbox"/> The Chinese Invasion1962 <input type="checkbox"/> War and Peace with Pakistan <input type="checkbox"/> Bangladesh War 1971 d) India's Nuclear Policy.	Presentation: NAM founders, objectives, principles and its relevance in contemporary world politics Group discussion: India's relations with China and Pakistan (past, present and future) Debate: India's stand on shifting alliances Research and Report Writing	
September	5 + 6	Part-1 Chapter:3Contemporary 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	Map activity Comparative Analysis: Political systems of South Asian countries Use of Historical data Interpretation of cartoons/Pictures /Newspaper clippings Discussion: Current economic crisis in Sri Lanka and Pakistan	
October			a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations 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	Discussion and debate: Necessary reforms of the UN After completion of the chapter, Students will be able to: Topics to be focused: a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations 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 Interpretation of cartoons /Newspaper clippings Quiz Model United Nations	
		Part-1 Chapter:4 International Organization			
		Part-2 Chapter:5Challenges to and Restoration of the Congress System	Topics to be focused: a) Challenge of Political Succession <input type="checkbox"/> From Nehru to Shastri <input type="checkbox"/> From Shastri to Indira Gandhi b) Fourth General Election 1967 <input type="checkbox"/> Context of the Election. <input type="checkbox"/> Non Congressism <input type="checkbox"/> Electoral Verdict <input type="checkbox"/> Coalitions <input type="checkbox"/> Defections c) Split in the Congress <input type="checkbox"/> Indira vs the Syndicate <input type="checkbox"/> Presidential Election 1969 d) The 1971 Election and Restoration of Congress <input type="checkbox"/> The outcome and after <input type="checkbox"/> Restoration?	Use of timeline Comparative analysis: Political Succession Group discussion: Changing electoral performance of the congress Interpretation of cartoons Map Activity	

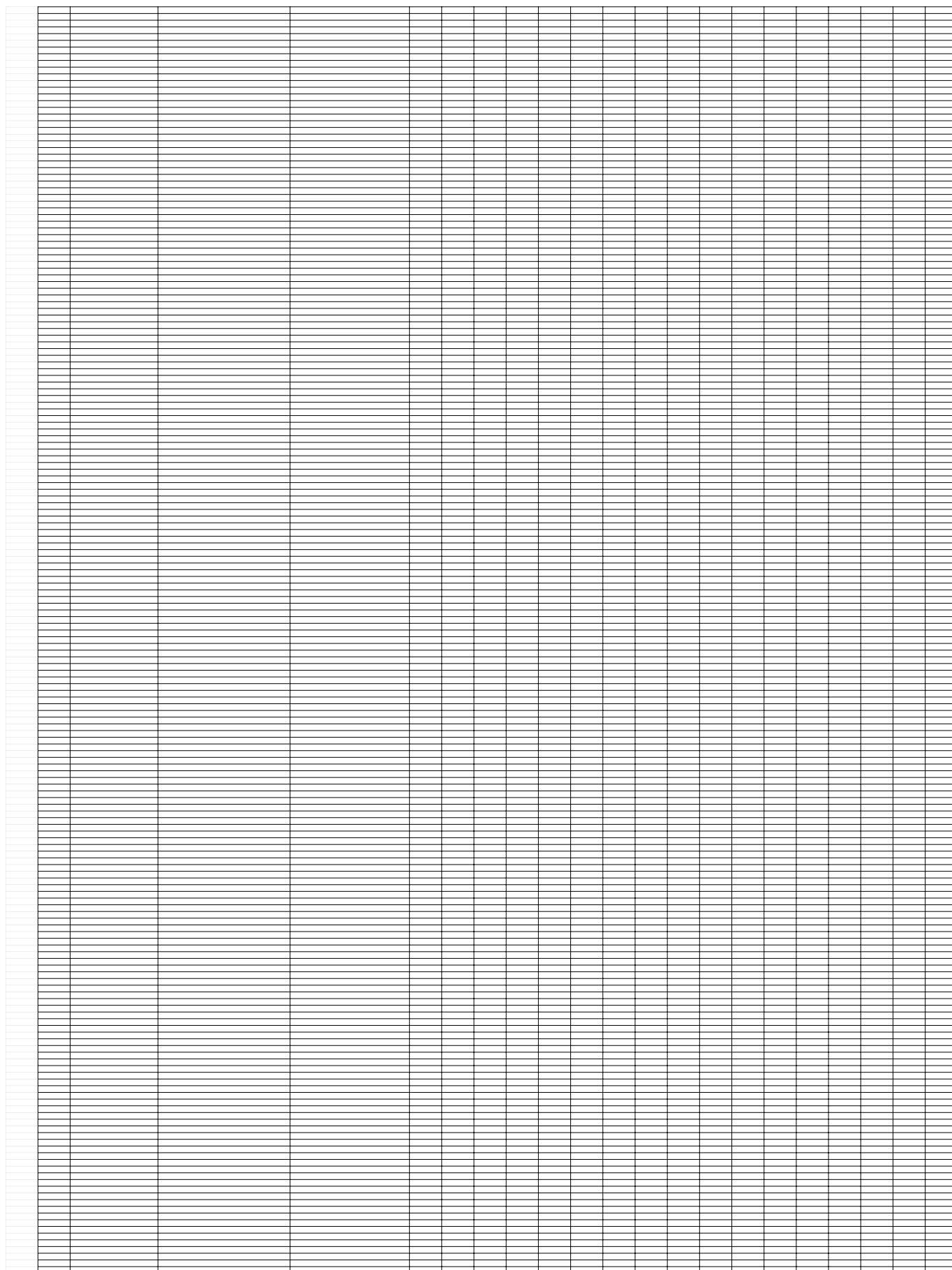
		22	Part-2 Chapter:6The Crisis of Democratic Order	: a) Background to Emergency. □ Economic Context. □ Gujarat and Bihar Movements □ Conflict with Judiciary b) Declaration of Emergency □ Crisis and response □ Consequences Group discussion: Based on Newspaper articles and other media information with respect to emergency, c) Lessons of the Emergency.	Group discussion: Based on Newspaper articles and other media information with respect to emergency Quiz Cartoon Interpretation Map Activity	
November		14	Part-1 Chapter:5 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	Discussions and debates: New sources of threat Comparative analysis: Security concerns of different countries Interpretation of cartoons/Pictures Collaborative concept mapping: India's initiatives and policies towards security.	
			Part-2 Chapter: 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 Nationa	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 Nationa	
			Part-2 Chapter:8 Recent Developments in	Topics to be focused a) Context of 1990s b) Era of Coalition □ Alliance Politics c) Political rise if 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	Comparative analysis: Different developments taking place in present scenario with that of twentieth century. Timeline Interpretation of Cartoons/Caricatures Quiz Reflective Enquiry	
December		23	Part-1 Chapter:6 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	Presentation: Environmental issues Recapitulation Debate and discussion: Indigenous communities of the world and their concerns Newspaper activity to inculcate concern, awareness and environmental morality	
			Part-1 Chapter : 7 Globalisation	a) Concept of globalisation b) Causes and Consequences of globalisation c) India and globalization d) Resistance to globalization e) India and resistance to globalisation	Group discussion: Positive and negative impact of globalization. Interpretation of Cartoons Question strategy	
January		16	Pre- Boards & Board Examination			
February		21				

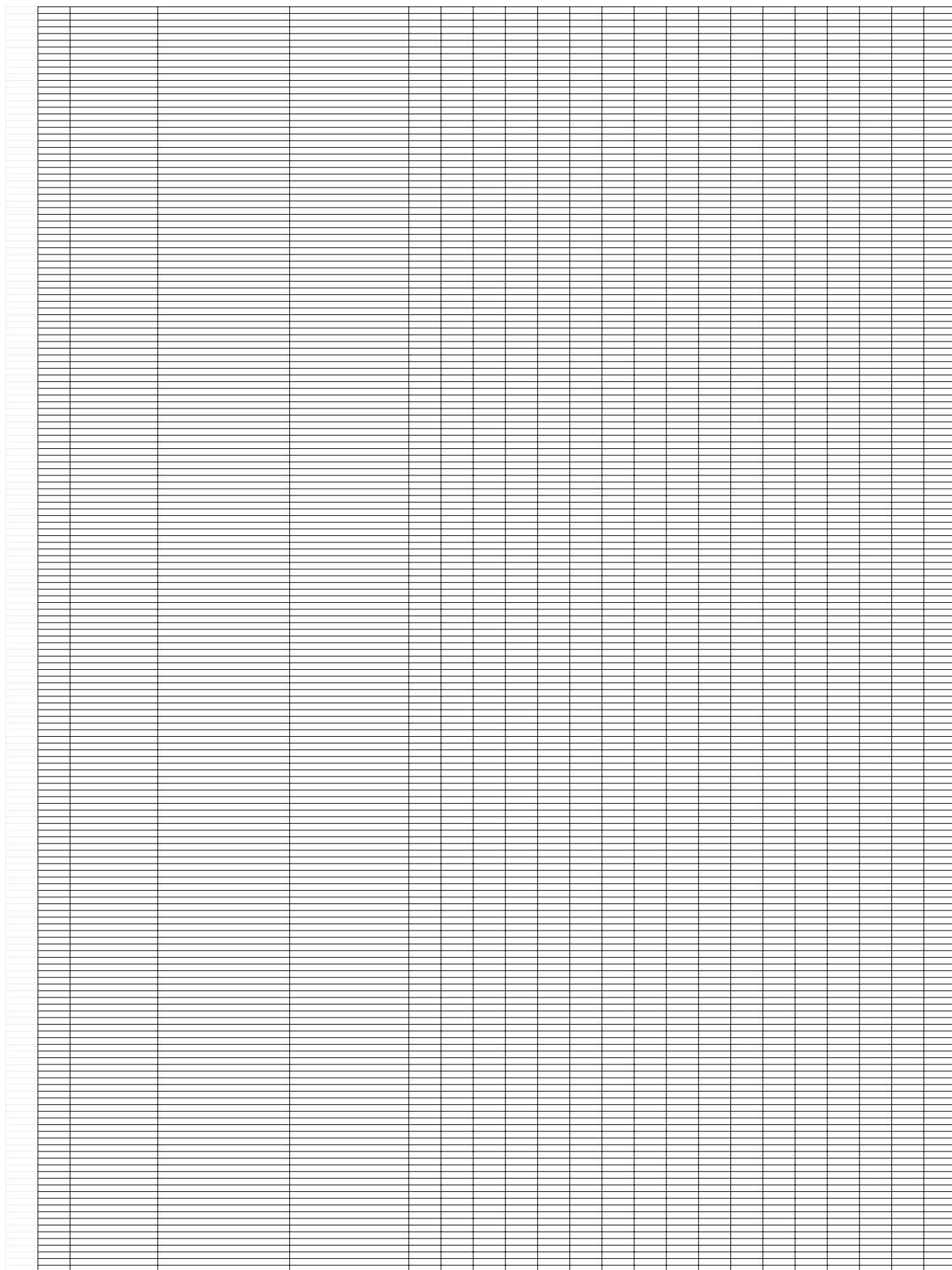
GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)

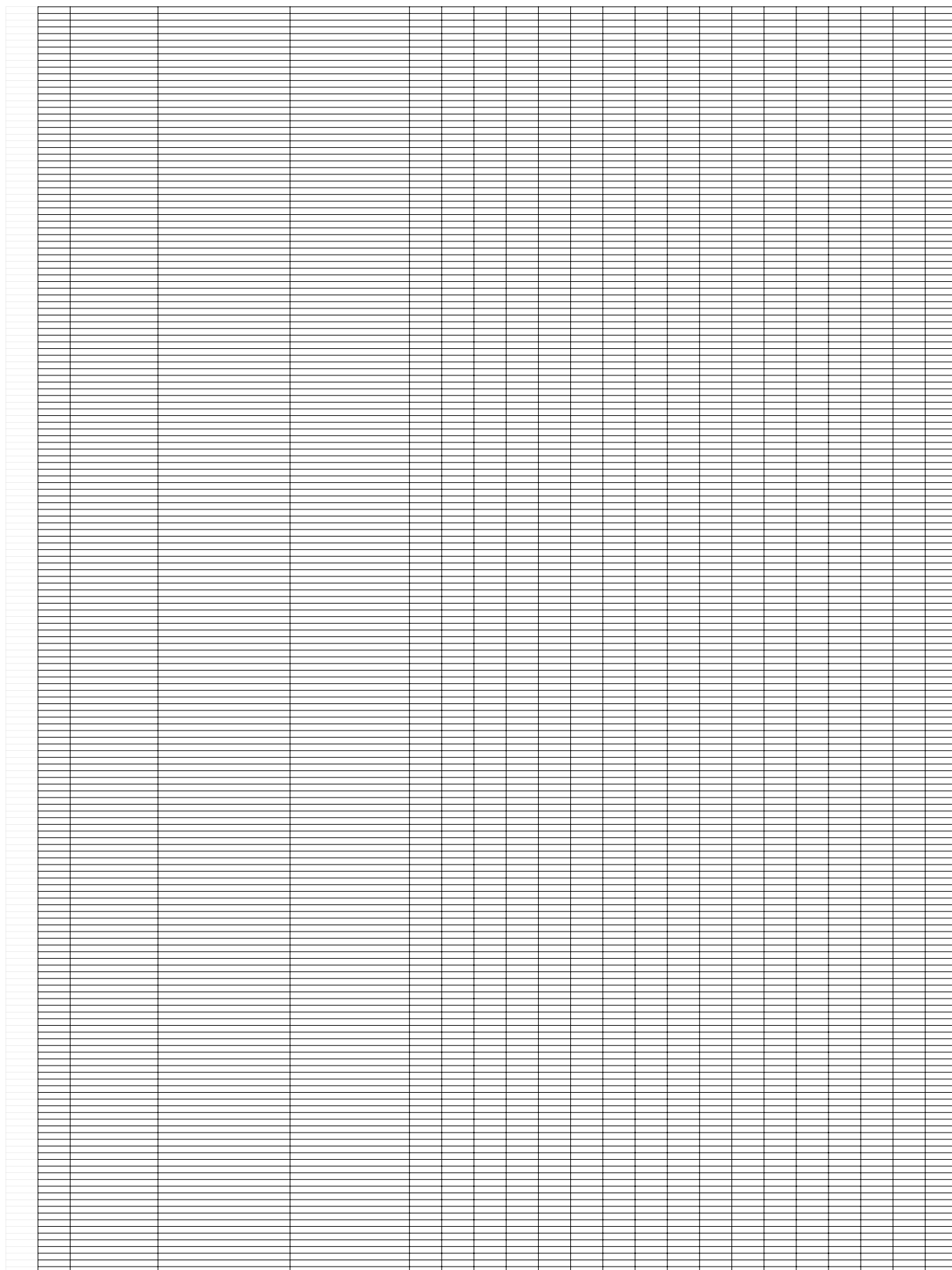
Sociology

Month	No. Of Teaching Days	chapter name	Topic	Writing Skills/ Activity/ Practical
April	21	2. The Demographic Structure of Indian Society	The Demographic Structure of the Indian Society □ Theories and concepts in demography □ Rural-Urban Linkages and Divisions □ Population Policy in India	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.
June	22	3. Social Institutions: Continuity and Change	Social Institutions: Continuity and Change □ Caste and the Caste System □ Tribal Communities □ Family and Kinship	
July	6+12	5. Patterns of Social Inequality and Exclusion	Patterns of Social Inequality and Exclusion □ Social Inequality and Social Exclusion □ Systems justifying and perpetuating Inequality - Caste, Tribe, the Other Backward Classes □ Adivasi Struggles □ The Struggle for Women's Equality and Rights □ The struggles of the Differently Abled	Significance and relevance of the topic; challenges encountered while conducting the research.
August	23	6. The Challenges of Cultural Diversity	The Challenges of Cultural Diversity □ Cultural communities and the nation state □ Regionalism in the Indian context □ The Nation state and religion related issues and identities □ Communalism, secularism and the nation state □ State and Civil Society	
September	5+6	8. Structural Change	Cultural Change □ Social Reform Movements □ Different Kinds of Social Change: Sanskritisation Westernization, Modernization, Secularization	Content analysis and its relevance in the current scenario. Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.
October	22	9. Cultural Change	Change and Development in Rural Society □ Agrarian Structure : Caste & class in Rural India □ Land Reforms, Green Revolution and Emerging Agrarian society □ Green revolution and its social consequences □ Transformation in Rural Society □ Circulation of labour □ Globalization, Liberalization and Rural Society	vExternal/ Internal Viva based on the project
November	14			
December	23	11.Change and Development in Rural Society	Change and Development in Industrial Society □ From Planned Industrialization to Liberalization □ How people find Jobs □ Work Processes: How work is carried out, working conditions, home based work, Strikes and Unions	case study
January	16	Project and Practical Exam		
February	21			









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GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)				
Computer Science				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21			
June	22	1. Computer Systems and Organisation	Basic Computer Organisation: Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB), Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software.	Write down the names of commonly used Software with the help of example. Comparison between different Memory Units.
		2. Boolean Logic	Operating system (OS): functions of operating system, OS user interface, Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De Morgan's laws and logic circuits,	Draw Truth table to define Boolean Logic.
		3. Data Representation	Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems, Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32).	Write base values of binary, octal and hexadecimal number system and perform Conversion.
July	18(6+12)	4. Cyber Safety	Introduction ,What is Cyber Safety, Identity Protection While Using Internet Confidentiality of Information, Cyber Crime, Appropriate Usage of Social Networks.	Classify the statements as legitimate or illegitimate while surfing online websites/gaming.
		6. Getting Started with Python	Introduction to problem solving: Steps for problem solving (analysing the problem, developing an algorithm, coding, testing and debugging). representation of algorithms using flow chart and pseudo code, decomposition, Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode	
August	23	7. Python Fundamentals	Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments	
		8. Data Handling	Knowledge of data types: number (integer, floating point, complex), boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types, Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in) , Expressions, statement, input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion, Errors.	
September	11(5+6)	9. Conditional and Iterative Statements	Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control, Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs, Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc	Programs based on Conditional statements (absolute value, sort 3 numbers and divisibility of a number generating pattern, summation of series, finding the factorial of a positive number etc)
October	22	10. String Manipulation	Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control, Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs, Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc	Programs based on String.
		11. List Manipulation	Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists.	Programs based on List.(finding the maximum, minimum, mean of numeric values stored in a list, linear search on list of numbers and counting the frequency of elements in a list)

November	14	12. Tuples	Introduction, indexing, tuple operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers,	Programs based on Tuples.
December	23	13. Dictionary	Dictionary: introduction, accessing items in a dictionary using keys, mutability of dictionary (adding a new item, modifying an existing item), traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del(), clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy().	Programs based on Dictionaries. (Count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them)
January	16	5. Online Access and Computer Security	Introduction, Threats to Computer Security, Solutions to Computer Security Threats , Firewall E-waste management: proper disposal of used electronic gadgets, Indian Information Technology Act (IT Act), Technology & Society: Gender and disability issues while teaching and using computers.	Define the major solutions to handle Computer Security Threats. Explore and find out how to file a complaint with the cyber cell in your area.
February	21	Revision		

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)				
History				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21	Bricks, Beads and Bones The Harappa Civilisation		
		Kings, Farmers and Towns Early States and Economies (c.600 BCE600 CE)		
June	22	Kingship, Caste and class Early Societies (c. 600 BCE600 CE)		
July	18(6+12)	Thinkers, Beliefs and Buildings Cultural Developments (c. 600 BCE600 CE)		
August	23	Through the eyes of Travellers Perceptions of Society (c. tenth to seventeenth centuries)		
September	11(5+6)	Bhakti-Sufi Traditions Changes in Religious Beliefs and Devotional Texts		
October	22	An Imperial Capital – Vijayanagar		
November	14	Peasants, zamindars and the States Agrarian Society and the Mughal Empire		
December	23			
January	16			
February	21	Pre- Boards & Board Examination		

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)

Painting

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21	content		
June	22			
July	18(6+12)			
August	23			
September	11(5+6)			
October	22			
November	14			
December	23			
January	16			
February	21			