





Subject:- ENGLISH

Month	Literature Reader	Writing	Grammar	Main Course Book			
	Two Gentlemen of Verona			Hoalth and			
April	Mrs. Packletide's Tiger	Email	Tenses	Medicine			
	The Frog and the Nightingale						
	PERIODI	C TEST I					
	The Letter						
Мау	Not Marble Nor the Gilded Monuments	Formal Letter	Modals	Education			
luna	A Shady Plot	Formal lattar	Subject verb concord	Science			
June	Ozymandias	contd					
July	Potol Babu, Film Star			Environment			
	The Dear Departed	Factual Description	Reported Speech	Environment			
	Virtually True	- Factual desscription contd	Reported speech continued	Travel & Tourism			
August	The Rime of the Ancient Mariner						
	PERIO	DIC TEST II					
September	The Rime of the Ancient Mariner contd	Factual desscription contd	Reported Speech contd				
	Snake						
October	Julius Caesar	Article	Clauses	National			
				megration			
	PERIODIC TEST III						

November	Julius Cae	sar continued	Article Contd.	Determiners continued		
December			PRE - BO	ARD		
January		PRACTICE TEST				
	*Syllabu	labus as prescribed by CBSE for session 2023-2024				

Subject:- SECOND LANGUAGE (HINDI)

MONTH	LANGUAGE	LITERATURE			
APRIL	समास, वाक्य रूपांतरण, मुहावरे	बड़े भाई साहब, साखी-कबीर			
MAY - JUNE	PT-1 EXA	AMINATION			
MAY	अनुच्छेद लेखन	पद-मीरा, तताँरा वामीरो कथा			
JUNE	पदबंध, सूचना लेखन	अब कहाँ दूसरे के दुःख से दुखी होने वाले, पर्वत प्रदेश में पावस			
JULY	औपचारिक पत्र, लघु कथा	पतझड़ में टूटी पत्तियाँ, मनुष्यता, कर चले हम फ़िदा, हरिहर काका			
AUGUST	विज्ञापन लेखन, अपठित गद्यांश, ई- मेल	कारतूस, सपनों के से दिन तोप, टोपी शुक्ला			
	REVISION FOR PT-2 EXAMINATION				
SEPTEMBER	PT-2 EXAMINATION				
SEPTEMBER	लघु कथा लेखन, पदबंध, मुहावरे, समास (पुनरावृत्ति)	डायरी का एक पन्ना			
OCTOBER	सूचना लेखन, विज्ञापन लेखन	तीसरी कसम के शिल्पकार शैलेन्द्र			
NOVEMBER	वाक्य-रूपांतरण (पुनरावृत्ति)	आत्मत्राण			
DECEMBER	PT-3 EXA	AMINATION			
DECEMBER	पुनरावृत्ति	पुनरावृत्ति			
JANUARY	PRE BOARD				

SUBJECT:- SECOND LANGUAGE (BENGALI)

NAME OF THE BOOKS : সাহিত্য - সাহিত্য সঞ্চয়ন

- সহায়ক পাঠ রাজকাহিনী
- ব্যাকরণ সরস্বতী বাংলা ব্যাকরণ এবং রচনা
- নির্মিতি প্রবেশিকা বাংলা ব্যাকরণ ও রচনা

MONTH	UNIT	TOPIC	
APRIL	I, II	সাহিত্য- জ্ঞানচক্ষু(গদ্য)	
		ব্যাকরণ- ব্যাঞ্জনসন্ধি	
		সহায়ক পাঠ – রাজকাহিনী শিলাদিত্য	
MAY	III, IV	সাহিত্য – তিন পাহাড়ের কোলে(কবিতা)	
		ব্যাকরণ – সাধু চলিত	
		নির্মিতি – অনুচ্ছেদ রচনা	
JUNE	Periodic Test -1		
JULY	V, VI	সাহিত্য – আলোবাবু(গদ্য)	
		সাহিত্য – একাকারে(কবিতা)	
		নির্মিতি – ব্যক্তিগত পত্র	
		নির্মিতি – বোধপরীক্ষণ	
AUGUST	VII, VIII	ব্যাকরণ – – বাক্যপরিবর্তনঃ সরল , জটিল , যৌগিক	
		নির্মিতি – অনুচ্ছেদ	
		সহায়ক পাঠ – রাজকাহিনী গোহ	
Periodic Test – 2			

MONTH	UNIT	TOPIC			
SEPTEMBER	IX, X	সাহিত্য – আয় আরো বেঁধে বেঁধেথাকি(কবিতা)			
		সাহিত্য -বহুরূপী(গদ্য)			
		সহায়ক পাঠ – রাজকাহিনী গোহ			
OCTOBER	XI, XII	সাহিত্য -বহুরূপী(গদ্য)			
		নির্মিতি – অনুচ্ছেদ			
NOVEMBER	XIII, XIV	সাহিত্য – আয় আরো বেঁধে বেঁধে থাকি(কবিতা)			
		ব্যাকরণ – সাধু চলিত			
		নির্মিতি – বোধপরীক্ষণ			
	Per	iodic Test – 3			
DECEMBER	XV	REVISION			
JANUARY	XVI	Pre Board Exam			

Subject:- MATHEMATICS

MONTH	UNIT	TOPIC	SUB-TOPIC	ACTIVITY
	1.	Real Numbers	Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$.	
April	2.	Trigonometry	1. INTRODUCTION TO TRIGONOMETRY: Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); motivate the ratios whichever are defined at 0° and 90°. Values of the trigonometric ratios of 30°, 45° and 60° . Relationships between the ratios. 2. TRIGONOMETRIC IDENTITIES Proof and applications of the identity $sin^{2}A + cos^{2}A = 1, \forall A \in \Box$. Only simple identities to be given.	

	3.	Heights and Distances	Angle of elevation, Angle of Depression. Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30°, 45°, and 60°.	
May	4.	Polynomials	Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomials.	
	5.	Probability	Classical definition of probability. Simple problems on finding the probability of an event.	
	6.	Circles	 Tangent to a circle at, point of contact 1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact. 2. (Prove) The lengths of tangents drawn from an external point to a circle are equal. 	Tangents drawn from an external Point are equal

			Definitions, examples,	Activity on
			counter examples of similar triangles.	Similarity
June	7.	Triangles	1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.	
			2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.	
			3. (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.	
			4. (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.	
			5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.	
]	REVISION	
		PER	IODIC TEST I	

July	8.	Pair of linear Equations in two variables	Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple situational problems.	Conditions of Consistency and Inconsistency of a pair of Linear Equations in Two Variables	
	9.	Statistics	Mean, median and mode of grouped data (bimodal situation to be avoided).		
August	10.	Arithmetic Progression	Motivation for studying Arithmetic Progression Derivation of the nth term and sum of the first n terms of A.P. and their application in solving daily life problems.	Derivation of formula for sum of first 'n' natural numbers	
	11.	Co-ordinate Geometry	Review: Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division).		
REVISION PERIODIC TEST II					

			Standard form of a quadratic		
			$ax^2+bx+c=0, (a \neq 0); a, b, c \in \square$.		
			Solutions of quadratic		
			equations (only real roots)		
October	12.	Ouadratic	by factorization, and by		
	12.	Equation	using quadratic formula.		
		Lyunon	Relationship between		
			discriminant and nature of		
			roots.		
			Situational problems based		
			on quadratic equations		
			related to day to day		
			activities to be incorporated.		
			Area of sectors and segments		
			of a circle. Problems based		
	13	Area related	on areas and perimeter /		
	13.	to circles	circumference of the above		
		to encies	said plane figures. (In		
November			calculating area of segment		
			be restricted to control angle		
			of 60° 90° and 120° only		
	1/	Surface Area	Surface areas and volumes		
	14.	and Volumes	of combinations of any two		
		and volumes	of the following: cubes		
			cuboids spheres		
			hemispheres and right		
			circular cylinders/cones.		
Nov/Dec	REVISION				
		PERI	IODIC TEST III		
January Pre-Board :Entire Syllabus as prescribed by CBSE					

Subject:- PHYSICS

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICAL
April			Reflection of light at curved surface;	
	1	Light	terms related to spherical mirrors; Images formed by spherical mirrors	
April			Mirror formula(derivation not required)Magnifica tion Refraction; Laws of refraction; Refractive index	To determine the focal length of a concave mirror, by obtaining the image of a distant object
			Refraction of light by spherical lenses, images formed by spherical lenses; Lens formula (derivation not required); Magnification;	To determine the focal length of a convex lens, by obtaining the image of a distant object.

May		light	Power of a lens.	To trace the path of a ray of light through a rectangular glass slab for different angles of incidences; Measure the angle of incidence, angle of refraction, angle of emergence and interpret the results;
June	2	Human Eye and colourful world	Functioning of lens in human eye; Defects of vision and their corrections, applications of spherical mirrors and lenses. PERIODIC TEST-I	
July	7	Human Eye	Refraction of light through a prism, dispersion of light, scattering of light,applications in daily life	To trace the path of a light ray through a glass prism

July	8	and colourful world	Application of scattering(excludiing colour of the sun at sunrise and sunset)	
August	9	Electricity	Electric current,potential difference, Ohm's law; Resistance, Resistivity, factors on which resistance depends; series and Parallel combination of resistors and its application in daily life.	To study the dependence of Potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V &I.
		I	Periodic Test- II	
September	10	Electricity	Heating effect of electric current and its application in daily life; Electric power; Inter-relation between P, V, I and R.	To determine the equivalent resistance of two resistors when
				connected in series; determine the equivalent resistance of two resistors when connected in parallel.

October	11	Magnetic Effects of Electric Current	Magnetic field lines, field due to current carrying conductor , field due to current carrying coil or solenoid,; Force on current carrying conductor		
November	12	Magnetic Effects of Electric Current	Fleming's Left hand rule; Direct Current Alternating Current, frequency of AC. Advantage of AC over DC.	<u>.</u>	
		I	Periodic Test-		
			III		
December			Domestic electric circuits.		
	14				
January			Pre-board		
* syllabus as prescribed by CBSE					

Subject:- CHEMISTRY

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICAL EXPERIMENT
April	1	Chemical Reactions and Equations	Chemical reaction – definition, characteristics of chemical reaction with examples. Writing a chemical equation, skeletal equation, skeletal equation, balanced chemical equation, balancing of chemical equations. Types of chemical reactions - combination, exothermic reactions, decomposition, displacement, double displacement.	To perform and observe differenttypes of chemical reactions.
May	1	Chemical Reactions and Equations	Types of chemical reactions (continued) - oxidation and reduction. Corrosion, rancidity	
			PERIODIC TEST - 1	
June	2	Acids, Basesand Salts	Introduction to acids, bases, indicators. Understanding the chemical properties of acids and bases.	To study the properties of acids and bases.

July	2	Acids, Bases and Salts	Salts - family of salts, pH of salts, chemicals from common salt, chlor-alkali process, bleaching powder, baking soda, washing soda, water of crystallizationin salts, Plaster of Paris.	
August	3	Metals and Non- metals	Introduction, physical properties of metals and non- metals. Chemical properties of metals (reactions), the reactivity series. How do metals and non- metals react?Properties of ionic compounds.	To study the reactivity of metals using themetals and theirsalt solutions.
August	3	Metals and Non- metals	Occurrence of metals, extraction of metals, refining of metals. Corrosion of metals and	
Tugust		l Pl	ERIODIC TEST - 2	
September		Carbonand its Compound s	Homologous series, functional groups, hydrocarbons and isomerism. Nomenclature of Carbon Compounds.	

Г

October	Carbonand its Compounds	Chemical properties of carboncompound (reactions). Some important carbon compounds -Ethanol and Ethanoic acid. Soaps and detergents.	
November	November	PERIODIC TEST-3	
		REVISION	
January	PRE BOAF	D EXAMINATION*	

Session: 2023-24 Subject:- BIOLOGY

MONTH	UNIT	CHAPTER	SUB-TOPIC	PRACTICAL
April	1	Life Processes	 What are life processes? Autotrophic nutrition Heterotrophic nutrition 	Preparing a temporary mount of a leaf peel to
May	1	Life Processes	Respiration	snow stomata.
		PERI	ODIC TEST 1	
June	1	Life Processes	TransportationExcretion	To show experimentally that
July	2	Control and Coordination	 Animal-Nervous System Coordination in plants 	during respiration (animals and plants)
	2	Control and Coordination	• Hormones in animals	
August	3	How do organism reproduce?	 Do organisms create exact copies of themselves? Modes of reproduction used by single organisms 	Reproduction : Budding in Yeast and Binary fission in <i>Amoeba</i> sp.
		PERI	ODIC TEST 2	
September	3	How do organism reproduce?	 Sexual reproduction in Plants Sexual reproduction in Humans 	To identify the different parts of an
October	4	Heredity and Evolution	 Accumulation of variation during reproduction 	embryo of a dicot seed (gram)
November	4	Heredity and Evolution	• Heredity	

PERIODIC TEST 3					
December	5	Our Environment	 What happens when we add waste to environment? Ecosystem-What are its components? How do our activities affect the environment? 		
January	Pre-Board Examination				

Session: 2023-24 Subject:- HISTORY

MONTH	UNI T	TOPICS/CHAPTERS	SUB TOPICS
April	1	The Rise of Nationalism in Europe	 The French Revolution and the Idea of Nation The Making of Nationalism in Europe
May		The Rise of Nationalism in Europe	The Age of Revolutions: 1830-1848The Making of Germany and Italy
		PE	RIODIC TEST1
June		The Rise of Nationalism in Europe	Visualizing the NationNationalism and Imperialism
July	2	Nationalism in India	 The First World War, Khilafat and Non- Cooperation Differing Strands within the Movement Towards Civil Disobedience The Sense of Collective Belonging
August		The Age of Industrialisation	Before the Industrial RevolutionHand Labour and Steam Power
			PERIODIC TEST 2

September	The Age of Industrialisation	 Industrialisation in the colonies Factories come up The Peculiarities of Industrial Growth Market for Goods 			
October	Print Culture and the Modern World	 The First Printed Books Print Comes to Europe The Print Revolution and its Impact The Reading Mania The Nineteenth Century India and the world of Print Religious Reforms and Public Debates New forms of Publication Print and Censorship 			
November	The Making of a Global World PER	 The Pre-modern World The Nineteenth Century The Inter- war Economy Rebuilding a World Economy: The Post – war Era IODIC TEST 3 			
December	PRACTICE TEST				
January	PRE-BOARD EXAMINATION				
Syllabus for CBSE Board Examination: Entire syllabus as prescribed by CBSE.					

ASS X

SYLL

Subject:- POLITICAL SCIENCE

RUBY PARK PUBLIC SCHOOL

MONTH	UNIT	TOPICS/CHAPTERS	SUB TOPICS		
	1	Power Sharing	 Case Studies of Belgium and Sri Lanka Why Power Sharing is Desirable? Forms of Power Sharing 		
April	1	Federalism	 What is Federalism? What makes India a Federal Country? How is Federalism practiced? Decentralization in India 		
		PERIOD	IC TEST1		
July	2	Gender, Religion and Caste	Gender and PoliticsReligion, Communalism and PoliticsCaste and Politics		
August	3	Political Parties	 Why do we need Political Parties? How many Parties should we have? National Political Parties State Parties Challenges to Political Parties 		
			• How can Parties be reformed?		
September			PERIODIC TEST 2		
November	4	Outcomes of Democracy	 How do we assess democracy's outcome? Accountable, responsive and legitimate government Economic Growth and Development 		
			Reduction of Inequality and PovertyAccommodation of social diversity		
			• Dignity and freedom of the citizens		
		PERIC	DDIC TEST 3		
December			PRACTICE TEST		
January		PRE-BOARD EXAMINATION			
	Syllabus for CBSE Board Examination: Entire syllabus as prescribed by CBSE.				

Subject:- GEOGRAPHY

MONTH	UNIT	TOPICS /	SUB TOPICS
		CHAPTERS	
APRIL	1	RESOURCE AND	
		DEVELOPMENT	•Development of Resources.
			• Resource Planning in India.
			Land Resources
			• Land Utilization.
			• Land Use Pattern in India.
			• Land Degradation and Conservation Measures.
			• Soil as a Resource.
			Classification of Soils.
			• Soil Erosion and Soil Conservation
MAY	2	FOREST RESOURCES	• Conservation of forest and wildlife in India.
			• Types and distribution of forests and wildlife
			resources.
			Community and Conservation
	L	PERIODIC TEST-1	
JUNE	3	WATER RESOURCES	• Water Scarcity and The Need for Water
			Conservation and Management.
			• Multi-Purpose River Projects and Integrated
			Water Resources Management.
			Rainwater Harvesting

JULY	4	AGRICULTURE	• Types of farming.
			Cropping Pattern.
			• Major Crops
			• Technological and Institutional Reforms in
			Indian Agriculture
			• Impact of Globalization on Agriculture
JULY	5	MINERALS AND	• What is a mineral?
		ENERGY RESOURCES	• Mode of occurrence of Minerals.
			• Ferrous and Non-Ferrous Minerals.
			• Non-Metallic Minerals. Rock Minerals.
			Conservation of Minerals
			• Energy Resources.
			• Conventional and Non- Conventional Energy
			• Conservation of Energy Resources
AUGUST	6	MANUFACTURING	• Importance of manufacturing.
		INDUSTRIES	• Contribution of Industry to National Economy.
			• Industrial Location.
			Classification of Industries
			Distribution of Industries
		PERIODIC TEST-2	
SEPT &	7	MANUFACTURING	• Industrial pollution and
OCT		INDUSTRIES (CONTD.)	environmental
			degradation.
			• Control of Environmental Degradation

NOV	8	LIFELINES OF	• Transport – Roadways,	
		NATIONAL	Railways (to be evaluated in Board Examination)	
		ECONOMY		
			Inter Disciplinary Project	
			From Pipelines to Tourism as a Trade)	
DECEMBER	PERIODIC TEST-3			
JANUARY	PRE-BOARD EXAMINATION			

SYLLABUS FOR PRE-BOARD EXAMINATION Syllabus for Pre-Board Examination is as prescribed by CBSE Board.

Subject:- ECONOMICS

MONTH	UNIT	TOPICS	SUB TOPICS
APRIL	1	DEVELOPMENT	• What Development Promises - Different people
			different goals.
			• Income and other goals.
			National Development.
			• How to compare different countries or states?
			Income and other criteria.
			Public Facilities.
			• Sustainability of development
MAY	2	SECTORS OF INDIAN	• Sectors of Economic Activities.
		ECONOMY	• Comparing the three sectors.
			• Primary, Secondary and Tertiary Sectors in
			India.
PERIODIC TEST-1			
JUNE	2	SECTORS OF INDIAN	• Division of sectors as organized
		ECONOMY (Cont.)	and
			unorganized.
			• Sectors in terms of ownership: Public and
			Private Sectors
JULY	3	MONEY AND CREDIT	• Money as a medium of exchange.
			• Modern forms of money.
			• Loan activities of Banks.
			• Two different credit situations.
			• Terms of credit.
			• Formal sector credit in India.
			• Self Help Groups for the Poor

AUGUST	4	GLOBALISATION	• What is Globalization?	
		AND THE INDIAN	• Factors that have enabled	
		ECONOMY	Globalisation (to be evaluated in the board examination)	
PERIODIC TEST-2				
SEPTEMBER	4	GLOBALISATION	Inter Disciplinary Project	
& OCTOBER		AND THE INDIAN	• Production across the countries	
		ECONOMY (Contd.)	• Chinese toys in India, World	
			Trade Organisation and The Struggle for a fair globalisation	
			Suuggie ioi a fair giobalisation.	
NOV	5	CONSUMER RIGHTS	Gets familiarized with the rights	
		Note: Chapter 5	and duties as a	
		'Consumer Rights'	consumer; and legal measures available to protect	
		to be done as Project Work.	from being exploited in markets.	
			Every student has to compulsorily undertake	
			the project on Consumer Rights/Awareness	
DECEMBER	ER PERIODIC TEST-3			
JANUARY	RY PRE-BOARD EXAMINATION			

SYLLABUS FOR PRE-BOARD EXAMINATION

Syllabus for Pre-Board Examination is as prescribed by CBSE Board

Subject:- COMPUTER

MONTH	UNIT	TOPIC	SUB- TOPIC
APRIL	1	INTRODUCTION TO INTERNET	 Basics of Internet Internet Terminologies Internet Protocols Internet Services
	2	INTRODUCTION TO HTML	Fundamentals of HTMLCreating a Web Page
	2	SETTING THE PAGE APPEARANCE	Setting the Page PropertiesOrganising Text on a Web Page
	2	FORMATTING TEXT	 Inserting Paragraphs and Changing Fonts Emphasizing Text/ Applying Text Style
MAY	2	CREATING LISTS	 Creating an Unordered List Creating an Ordered List Creating a Nested List Creating a Definition List
JUNE		PERIODIC TEST 1	
	2	NAVIGATING THROUGH WEB PAGES	Linking Web PagesLinking Sections of a Web Page
JULY	2	ADDING IMAGES, TABLE, AUDIO AND VIDEO	 Adding Images in a Web Page Making Images as Hyperlinks Adding Tables in a Web Page Merging Table Cells Enhancing the Appearance of a Table Embed Audio and Video in an HTML Page.

JULY	2	CREATING A FORM	 Creating the Structure of a Form Adding Data Input Elements Adding Data Selection Elements Adding Buttons
	2	CASCADING STYLE SHEETS	 Cascading Style Sheets and its Advantages Types of CSS Format of Internal CSS Style Rule Color and Background Properties in CSS Border, Margin, Padding, Outline, Font, Text Properties and Content Alignment in CSS Constraints in CSS
AUGUST	3	CYBER ETHICS	 Netiquette Software Licenses and Open-Source Software Movement Plagiarism Intellectual Property Rights Digital Property Rights Freedom of Information and the Digital Divide E- Commerce : Privacy, Fraud , Secure Data Transmission
REVISION & PERIODIC TEST 2			

MONTH	UNIT	TOPIC	SUB- TOPIC
SEPTEMBER	4	FUN WITH SCRATCH	 Basics of Scratch Understanding Control Blocks Creating Games, Animated Images, Stories and Songs
		INTRODUCTION TO PYTHON (SPECIAL COVERAGE PYTHON MODULE -1)	 Data types in Python Using Variables in Python Lists in Python
OCTOBER		STRINGS IN PYTHON (SPECIAL COVERAGE PYTHON MODULE -2)	Working with StringsConverting a String
NOVEMBER	5	PROGRAMMING WITH PYTHON	 Python data types and variables Conditionals: if, if- else and elif Statements
	REVISION & PERIODIC TEST 3		PERIODIC TEST 3
DECEMBER	5	PROGRAMMING WITH PYTHON	Nested Conditional ConstructLoops in Python: for and while
JANUARY	1	ARTIFICIAL INTELLIGENCE – EXCITE UNIT 1	 Introduction to AI Human and Machine Interactions: AI based Games (based on different AI domains) Three Domains of AI
	2	ARTIFICIAL INTELLIGENCE – RELATE UNIT 2	 Applications of AI in daily lives Smart Homes and Human – Machine Interactions
	REVISION		
FEBRUARY		REVISION &	& ANNUAL

