

# **Syllabus**



DURGAPUR



#### **ENGLISH**

TEDM	TERM LINIT LANGUAGE		LITER	ATURE		
TERM	UNIT	Writing	Grammar	Beehive	Moments	
			Verb Forms		m r . 01.11	
April	1	Speech	Tenses	The Fun They Had (P)	The Lost Child	
•		_		The Road Not Taken (V)		
	_	Story		The Sound of Music (P)		
April-May	2	Writing	Determiners	Packing (P)	Continued	
May	3	Magazine Article	Subject Verb Concord	The Little Girl (P)	The Adventures of Toto	
		Articic	Workbook	Wind (V)		
June	4	Diary Entry	Phrases - Clauses (Types)	A Truly Beautiful Mind (P)	Continued	
			Workbook	Rain on the Roof (V)		
			Period	ic Test 1		
T 1	_	Formal Letter	Modals	The Lake Isle of Innisfree (V)	1 (1 (4 (1)	
July	5	Letter of enquiry		The Snake and the Mirror (P)	Iswaran the Storyteller	
T 1		Descriptive	Use of Passive	The Snake and the Mirror (P)	0 1 1	
July	6	Paragraph (Event)	Workbook	A Legend of the Northland (V)	Continued	
	_	Story		My Childhood (P)	7 1 77 1 67 1	
August	7	Writing	Connectors	No Men are Foreign (V)	In the Kingdom of Fools	
August &	8	Letter of	Reported	The Duck and the Kangaroo (V)	Continued	
September		complaint	Speech	Reach for the Top-I (P)		
September	9	Revision	Reported Speech	Reach for the Top-II (P)	The Happy Prince	
				Revision		
			Period	ic Test 2		
		Descriptive	Preposition		Weathering the Storm in	
October	10	Paragraph (person)	Workbook	The Bond of Love(P)	Weathering the Storm in Ersama	





#### **ENGLISH**

TERM	UNIT	LANGUAGE		LITERATURE		
IEKWI		Writing	Grammar	Beehive	Moments	
Massaudes	12	Magazine	Clause	Kathmandu (P)	A II : Not a II	
November	12	Article	(Revision)	The Snake Trying (V)	A House is Not a Home	
	Periodic Test 3					
December	13	Descriptive Paragraph	Integrated Grammar	A Slumber Did My Spirit	Continued	
		(Place)	Workbook	Seal (V)		
December 14 Story Sample Writing Papers				If I were you (P)	The Accidental Tourist	
January	15	Revision	Revision	Revision	The Beggar	
February			Fi	nal Examination		

*Note*: The Final Assessment will be based on the entire syllabus of the year.

P): Prose. (V): Verse





#### **HINDI**

Name of the books- 1. Sparsh -part-1

- 2. Sanchayan- Part-1
- 3. Vyakaran Darshika

	-		1 111011105
MONTH	UNIT	LITERATURE	LANGUAGE
APRIL	I	रैदास के पद	वर्ण विच्छेद, अनुच्छेद
APRIL	II	दुख का अधिकार	अनुस्वार, अनुनासिक, नुक्ता
MAY	III	रहीम के दोहे, गिल्लू	विरामचिह्न, विज्ञापन लेखन
JUNE	IV	स्मृति	संवाद लेखन
		PERIODIC TEST	I
JULY	V	आदमीनामा, एवरेस्ट मेरी शिखर यात्रा	स्वरसंधि, चित्र वर्णन
JULY	VI	तुम कब जाओगे अतिथि	उपसर्ग-प्रत्यय
AUGUST	VII	कीचड़ का काव्य	पत्र-लेखन (अनौपचारिक)
AUGUST	VIII	एक फूल की चाह	अपठित गदयांश, पदयांश
SEPTEMBER	IX	पुनरावृत्ति	पुनरावृत्ति
		PERIODIC TEST	
OCTOBER	X	धर्म की आड़, अग्निपथ	पुनरावृत्ति- पत्र लेखन, संवाद लेखन
NOVEMBER	XI	खुशबू रचते हैं हाथ, हामिद खॉ	पुनरावृत्ति- वर्ण विच्छेद, उपसर्ग-प्रत्यय
		PERIODIC TEST	III
NOVEMBER	XII	शुकतारे के समान, नए इलाके में	व्यंजन व विसर्ग संधि
DECEMBER	XIII	दिए जल उठे	अपठित गदयांश(पुनरावृत्ति)
DECEMBER	XIV	पुनरावृत्ति	अपठित पदयांश (पुनरावृत्ति)
JANUARY	XV	पुनरावृत्ति	
		ANNUAL EXAMINA	ATION

Entire syllabus as prescribed by CBSE





#### **BENGALI**

MONTH	UNIT	TOPIC
April	1	সাহিত্য- (থয়া (কবিতা)
		ব্যাকরণ- শ্বরসন্ধি
April	2	বোধ পরীক্ষণ
		আম আঁটির ভেঁপু- ১ অধ্যায়
May	3	সাহিত্য- দাম (গদ্য)
		ব্যাকরণ- বাক্য পরিবর্তন
		আম আঁটির ভেঁপু – ২ অধ্যায়
June	4	সাহিত্য- এই জীবন (কবিতা)
		নির্মিতি – প্রতিবেদন আম আঁটির ভেঁপু – ৩, ৪ অধ্যায়
		Periodic Test I
July	5	সাহিত্য- ইলিয়াস (গদ্য)
		বোধ পরীক্ষণ
_		আম আঁটির ভেঁপু – ৫, ৬ অধ্যায়
July	6	নির্মিতি – বিজ্ঞপ্তি
		আম আঁটির ভেঁপু – ৭ অধ্যায়
August	7	সাহিত্য- আবহমান (কবিতা)
	0	আম আঁটির ভেঁপু — ৮, ৯ অধ্যা <u>র</u> সাহিত্য- চিঠি (গদ্য)
September	8	সাহিত্য- টোঠ (গণ্য) ব্যাকরণ- সমাস (তৎপুরুষ, দ্বিগু, বহুরীহি)
		আম আঁটির ভেঁপু – ১০ অধ্যায়
		Periodic Test II
October	9	সাহিত্য- জন্মভূমি আজ (কবিতা)
		ব্যাকরণ – শব্দগত এবং বাক্যগত অশুদ্ধি সংশোধন
_		আম আঁটির ভেঁপু – ১১, ১২ অধ্যায়
November	10	সাহিত্য- ছুটি (গদ্য)
		বোধ পরীক্ষণ
		আম আঁটির ভেঁপু – ১৩, ১৪ অধ্যায়
		Periodic Test III
November	11	সাহিত্য – আবহমান (কবিতা)
		ব্যাকরণ- সমাস
December	12	আম আঁটির ভেঁপু – ১৫, ১৬ অধ্যায়
		ନିର୍মିତ - ଥିତିସେମ୍ନ ନ୍ୟୁ
January	13	নির্মিতি – বিজ্ঞপ্তি
		Davisian
		Revision





#### CBSE

#### **SANSKRIT**

NAME OF THE BOOKS- 1 श्रेमषी भाग -1

- 2. व्याकरणवीथि
- 3.अभ्यासवान् भव

UNIT	MONTH	LITERATURE	LANGUAGE	
I	APRIL	संस्कृतवर्णमाला	वर्ण विच्छेद, शब्दज्ञानम्	
П	APRIL	उच्चारणस्थानानि	अनुवाद	
III	MAY	भारतीवसन्तगीतिः	संधि ,अपठितगदयांश,	
IV	JUNE	स्वर्णकाकः	चित्रवर्णनम् ,शब्दरूपाणि, धातुरूपाणि	
		PERIODIC TEST		
V	JULY	सूक्तिमोक्तिकम्	प्रत्ययाः , शब्दरूपाणि ,धातुरूपाणि	
VI	JULY	कारक उपपद विभक्ति	पत्रलेखनम् , उपसर्गाः	
VII	AUGUST	सोगप्रभग्	उपसर्ग-प्रत्यय, पत्र-लेखनम्	
VIII	AUGUST	भ्रान्तो बालः	अपठित गदयांश, अनुवाद	
IX	SEPTEMBER	पुनरावृत्ति	पुनरावृत्ति	
		PERIODIC TEST		
X	OCTOBER	प्रत्यभिज्ञानम्	चित्रवर्णनम् अनुवाद	
XI	NOVEMBER	लोहतुला	कारक ,उपपद विभक्ति	
		PERIODIC TEST	III	
XII	NOVEMBER	सिकतासेतुः , जटायोः शोर्यम्	व्यंजन व विसर्ग संधि	
XIII	DECEMBER	पर्यावरणम् ,वाङ्मनःश्राणस्वरूपम्	व्याकरण (पुनरावृत्ति)	
XIV	DECEMBER	पुनरावृत्ति	पुनरावृत्ति	
XV	JANUARY	पुनरावृत्ति	पुनरावृत्ति	
		ANNUAL EXAMINA	ATION	
		Entire syllabus as prescrib	ed by CBSE	

#### MATHEMATICS

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
April	1	Number system	Irrational numbers, Real numbers and their Decimal expansions, Representing Real Numbers on the Number line, Operations on Real Numbers, Laws of Exponents.	Square Root Spiral
	2	Polynomials	Polynomials in one variable, Zeroes of a polynomial, Remainder theorem, Factor theorem, Factorisation of polynomials, Algebraic Identities.	
May	3	Euclid's Geometry	Euclid's Definitions, Axioms, Postulates, Equivalent version of Euclid's fifth postulate.	
June	4	Lines & Angles	Basic terms and definitions, Intersecting and non-intersecting lines, pairs of angles, Parallel lines and transversal, lines parallel to the same line, Angle sum property of a triangle.	
			Periodic Test I	
	5	Triangles	Congruence of triangles, Criteria for congruence of triangle, some properties of a triangle, Inequalities in a triangle.	Midpoint Theorem
July	6	Coordinate Geometry	Cartesian system, Plotting of a point.	Coordinate Geometry
	7	Linear Equation in Two variables	Linear equation, Solution of a Linear Equation, Graph of a Linear Equation in Two Variable, Equations of lines parallel to x-axis and y-axis.	
	8	Heron's Formula	Area of a triangle, Application in finding area of a quadrilateral.	
July	9	Statistics	Collection of data, Presentation of data, Graphical Representation of Data, Measures of Central Tendencies.	
August	10	Quadrilaterals	Angle sum property of a Quadrilateral, Types of Quadrilateral, Properties of a Parallelogram, Condition for a quadrilateral to be a Parallelogram, Mid-Point theorem.	
	11	Probability	ProbabilityA Theoritical Approach	





#### **MATHEMATICS**

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY			
September		Revision					
			Periodic Test II				
October	12	Contructions	Basic constructions, Some consruction of triangles.				
November	13	Area of Parallelograms and triangles	Parallelograms on the same base and between same parallels, Triangles on the same base and between same parallels.	Area of Parallelograms			
	•		Periodic Test III				
December	14	Surface Area and Volume	Surface Area and volume of Combination of figure - Cube, cuboid, cylinder, sphere and cone.	<ol> <li>Sum of interior angles of a quadrilateral is 360°</li> <li>To make Kite and Rhombus by paper folding and cutting</li> </ol>			
January	15	Circles	Circle and related terms, Angle subtended by a Chord at a point, Perpendicular from the centre to a chord, Circle through Three Points, Equal Chords and their Distance from the centre, Angle subtended By an Arc of a Circle, Cyclic Quadrilateral.				
	Revision						
February		Revision					
		Annual Examination					

Syllabus for Annual Examination: Entire Syllabus as prescribed by CBSE board



#### PHYSICS

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICALS
April			Distance and Displacement; Speed and velocity; Uniform and non-uniform acceleration;	
April	1	Motion	Derivation of equation of motion; Numerical; Distance-time and distance- velocity graphs;	
May			Equations of motion by graphical method; Elementary idea of uniform circular motion; Numerical.	
June	2	Force and Newton's Laws of Motion.	Concept of force, balanced and unbalanced force	
			Periodic Test- I	
July	)	Force and Newton's	First law of motion ,inertia and mass; Linear momentum; Newton's second law of motion; Mathematical formulation of Newton's second law of motion.	
July		Laws of Motion.	Newton's third law of motion, action and reaction forces.	
August			Elementary idea of conservation of momentum; Numerical problems	
August	3	Gravitation	Universal laws of gravitation; Force of gravitation on earth (gravity); Acceleration due to gravity; Motion under the influence of gravity; Mass and weight, free fall; Numerical problems. Thrust and pressure; Archimedes' principle; Buoyancy	Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.
September		Revision	Motion; Force and Newton's laws of motion; Gravitation	
			Periodic Test- II	
October	3	Gravitation	Elementary idea of relative density; Numerical problems.	Establishing the relation between the loss in weight of a solid when fully immersed in a) tap water b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.





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#### **PHYSICS**

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICALS
November	4	Work, Energy and Power	Work done by the force, W = F x s cosθ; Concept of positive, negative and zero work done; Numerical problems. Energy, Kinetic and potential energy; Law of conservation of energy;	
			Periodic Test- III	
November	4	Work, Energy and Power	Power; Commercial unit of energy; Numerical problems.	
December			Production of sound; Sound needs a material medium to travel; Nature of sound and its propagation in various medium, speed of sound; Characteristic of sound, range of hearing.	
December	5	Sound	Reflection of sound- Echo, SONAR; Numerical problems.	Verification of the Laws of reflection of sound.
January			Structure of human Ear	Determination of the speed of a pulse propagated through a stretched string/ slinky(helical spring).
January		Revision		
February		Revision		
			Annual Examination	

Syllabus For Annual Examination

As per the syllabus prescribed by CBSE

#### CHEMISTRY

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICALS
April	1	Matter in our surroundings	Physical nature of matter, characteristics of particles of matter (kinetic theory of matter), states of matter Change of states of matter (including explanation using kinetic theory), effect of pressure and impurities on m.p. of solids and b.p. of liquids, evaporation, factors affecting evaporation	To determine the m. pt. of ice and b. pt. of
May	1	Matter in our surroundings	Difference between evaporation and boiling, latent heat of fusion and latent heat of vapourisation, advantages of high latent heat of fusion of ice and high latent heat of vapourisation of water, cooling effect of evaporation and its applications, Heating and cooling curves.	
June	2	Is matter around us pure	Mixtures, types of mixtures (solid- solid, solid-liquid, liquid-liquid, liquid-gas, gas-gas), homogeneous and heterogeneous mixtures, daily life examples of mixtures and identifying the components of the mixtures	
			Periodic Test- I	
July	2	Is matter around us pure	Solutions, properties of solutions, concentration of solutions, numericals on mass by mass % and mass by volume%, suspensions, properties of suspensions Colloids, properties of colloids, types of colloids, applications, separation of mixtures (include fractional crystallization for separation of solid-solid mixtures and the techniques to separate liquid-gas and gas-gas mixtures).	To study the properties of solutions, suspensions and colloids.
August	2	Is matter around us pure	Separation of mixtures (contd.), elements, types of elements (include metalloids and noble gases), compounds, types of compounds (preliminary idea about organic and inorganic compounds), physical and chemical changes.	To prepare and study a mixture and a compound of iron & sulphur.





#### **CHEMISTRY**

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICALS
	2			To separate the components of a mixture of sand, salt and NH <sub>4</sub> Cl.
August	3	Atoms and molecules	Laws of chemical combinations, Dalton's atomic theory, atomic size, symbols, atomic mass, a.m.u., molecules, atomicity, types, ions, radicals, chemical formulae, framing of formulae.	To verify law of conservation of mass
September			Revision & Periodic Test - 2	
October	3	Atoms and molecules	Molecular mass, formula unit mass, mole concept, numericals based on mole	To study the types of chemical reactions.
November	4	Structure of the atom	Charged particles in matter, discharge tube experiment, cathode ray experiment and canal ray experiment, structure of the atom, Thomson's model and its limitations, Rutherford's Gold foil experiment, Rutherford's model and its limitation, Bohr's model.	
			Periodic Test - 3	
December	4	Structure of the atom	Neutrons, electronic distribution in atoms, atomic structure diagrams, valency, atomic number and mass number, isotopes, fractional atomic mass, isobars, isotones	
January	5	Natural resources	Introduction, air, the role of the atmosphere in climate control, winds, rain, air and water pollution, mineral riches in soil, soil pollution & erosion, sustainable practices.	
February		Revisior	a & Annual examination (Entire syllab	us)





#### CBSE

#### **BIOLOGY**

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(part) Green house effect, Ozone layer  February Revision			

Syllabus For Annual Examination

Entire syllabus as prescribed by CSBE.



#### **ECONOMICS**

MONTH	UNIT	TOPIC	SUB-TOPIC		
April			Introduction: Palampur village - Is it developed?		
			Organisation of Production : The four requirements		
	1	The Story of Palampur	of production : Land, Labour,		
			Physical capital and Human Capital.		
			Farming in Palampur : Land as a fixed resource		
			Ways to grow more from the same land : Multiple		
May	1	The Story of Palampur	cropping, Importance of irrigation.		
			Modern farming technique		
			Green Revolution : Impact		
			How is land distributed between farmers in Palam-		
June	1	The Story of Palampur	pur?		
			Labour : Who provides labour? Conditions of farm		
			labourers in Palampur.		
		Perio	dic Test 1		
			Capital needed in farming and Sale of Surplus farm product		
	1	The Story of Palampur People As A Resource	•		
Turby			Non-Farm activities: Dairy, Shopkeepers, Transport		
July			and Small scale manufacturing.		
	2		Human Resource : an overview Case study : story of Sakal and Vilas. Virtuous and		
			vicious cycle		
			Economic activities by men and women: 1] market		
		People As A Resource	and non-market activities 2] Women in low paid		
	2		work		
			Quality of Population : A] Role of Education		
			B] Provisions made by Government to provide uni-		
			versal access to education		
August			C] Role of Health		
			Important definitions : Infant mortality rate, Birth		
			rate, Death rate, Life expectancy at birth		
			Unemployment: Types: Disguised and seasonal.		
			Causes and effects of unemployment		
			Case Study : story of a village		
September	Revision Classes				
	Periodic Test 2				
October & November		Poverty As A Challenge	Introduction, Case Study - Urban and Rural poverty		
	3		Issues related to poverty		
			Poverty as seen by social scientists : Social exclusion		
			and vulnerability		
			Poverty Line		





#### **ECONOMICS**

MONTH	UNIT	TOPIC	SUB-TOPIC		
	Periodic Test 3				
		Poverty As A Challenge	Poverty estimates		
			Vulnerable groups. Case study : Story of Sivaraman		
			Inter-State disparities		
December	3		Global poverty scenario		
			Causes of Poverty		
			Anti Poverty Measures		
			The Challeges ahead		
	4	Food Security In India	What is Food Security? The three dimensions of		
			Food Security		
			Why Food Security?		
			Who are Food insecure? Case studies: Story of		
			Ramu and Story of Ahmad		
January			Self-suffiency in foodgrains : Green Revolution		
			Two components of Food Securiy: A] Buffer Stock		
			B] Public Distribution System		
			Current Status of PDS		
			Drawbacks of the PDS		
			Role of cooperatives in food security		
February			Revision Classes		
1 cor dary	Final Examination				

Syllabus For Annual Examination

Is prescribed by CSBE Board





#### CBSE

#### **HISTORY**

MONTH	UNIT	HISTORY TOPICS	HISTORY TOPICS SUB-TOPICS				
April			French Society During the late 18th century				
		The French Revolution	The Outbreak of the Revolution				
			France Abolishes Monarchy and Becomes a				
Marr	1		Republic				
May			Did Women Have a Revolution?				
			The Abolition of Slavery				
			The Revolution and Everyday Life				
		Socialism in Europe and	The Age of Social Change				
July	2	the Russian Revolution	The Russian Revolution				
July	2	(Topic for Multiple	The February Revolution in Petrograd				
		Assessment)	What Changed in October?				
July	Periodic Test 1						
September	Periodic Test 2						
October			Birth of Weimar Republic				
	3	Nazism and the Rise of Hitler	Hitler's Rise to Power				
November			The Nazi Worldview				
November			Youth in Nazi Germany				
			Ordinary People and Crimes against Humanity				
December	Periodic Test 3						
	4	Forest Society and Colonialism (Topic for Subject Enrichment)	Why Deforestation?				
January			The Rise of Commercial Forestry				
			Rebellion in the Forest				
		Subject Emilement)	Forest Transformations in Java				
February	Revision Classes						
February	Final Examination						

**Syllabus For Final Examination** 

Entire syllabus as prescribed by CBSE.



#### GEOGRAPHY

MONTH	UNIT	TOPIC	SUB-TOPIC				
April	1	India: Size And Location	Location: latitudinal and longitudinal extent Size and extent Calculation of local time and time lag between eastern and western part of India.				
May	1	India: Size And Location	Need for a standard meridian India and the world India's neighbour				
June	2	India : Physical Features	Formation of physical features based on Plate Tectonics The Himalayan Mountains The Northern Plain				
		Perioc	lic Test 1				
July	2	India : Physical Features	The Peninsular Plateau The Indian Desert The Coastal Plains The Islands				
	3	India : Drainage	Important definitions: drainage basin, water divide, catchment area.  Drainage patterns: Dendritic, trellis, rectangular and radial.				
August	3	India : Drainage	The Himalayan and Peninsular River system - difference The Himalayan Rivers: The Ganga, Brahmaputra, Indus The Peninsular Rivers: Narmada, Tapi, Godavari, Mahanadi, Krishna and Kaveri Lakes Role of Rivers in the economy River Pollution				
	4	India : Climate	Introduction. Difference between weather and climate Indian climate: Why is it called "Tropical Monsoon' Regional variation of climate in India Climatic Controls				
September	Revision Classes Periodic Test 2						





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#### **GEOGRAPHY**

		India : Climate	1 Factors affecting India's climate		
	4		2 The Seasons : Cold weather Season and Hot weather season		
October &			3 Mechanism of Monsoon		
November			4 Advancing and Retracting Monsoon		
			5 Distribution of Rainfall		
			6 Monsoon as a unifying bond		
		Period	lic Test 3		
			Introduction.		
		India : Natural Vegetation And Wildlife	Factors controlling distribution of natural vegetation: Relief and Climate		
			Ecosystem		
December	5		Types of Vegetation : Tropical Evergreen Forest, Tropical Deciduous Forest, Thorn		
			Forest and Scrubs, Montane Forests, Mangrove Forests.		
			Wildlife. Measures taken by government to protect flora and fauna.		
	6	India : Population	Introduction		
			Population Size and Distribution		
			Population growth		
Iamarama			Processes of population change		
January			Characteristics of population : Age Composition, Sex Ratio, Literacy Rate, Occupational Structure, Health, Adolescent population		
			National Population Policy and NPP 2000 and Adolescents.		
Disaster Management is Compulsory and Must be Assessed As A Multiple Assessment and  Art Must be Integrated With It					
Revision Classes					
February	Annual Examination				

Syllabus For Annual Examination

Is prescribed by CSBE Board





#### CBSE

#### POLITICAL SCIENCE

MONTH	UNIT	POLITICAL SCIENCE TOPICS	SUB-TOPICS	
Tone		Why Democracy and What	What is Democracy?	
	1		Features of Democracy	
June	1	Democracy?	Why Democracy?	
			Broader Meaning of Democracy	
July			Periodic Test 1	
		Electoral Politics	Why Elections?	
August	2		What is our System of Elections?	
			What makes elections in India democratic?	
September	Revision			
September	Periodic Test 2			
	3	Constitutional Design	Democratic Constitution in South Africa	
December			Why do we need a Constitution?	
December			Making of the Indian Constitution	
			Guiding Values of the Indian Constitution	
December	Periodic Test 3			
	4	Working of the Institutions	How is the major policy decision taken	
December			Parliament	
December			Political Executive	
			Judiciary	
	5	Democratic Rights	Life without rights	
January			Rights in a Democracy	
			Rights in the Indian Constitution	
			Expanding the Scope of Rights	
Echricani	Revision			
February	Final Examination			

**Syllabus For Final Examination:** 

Entire syllabus as prescribed by CBSE.