

CLASS

VIII

Syllabus



**DELHI PUBLIC SCHOOL
DURGAPUR**

ENGLISH

Name of the books:

LR - Literature Reader

FAC - Friday Afternoon Comprehension

EEG - Essentials Of English Grammar

ORC - Oxford Reading Circle

MONTH	UNIT	READING	WRITING	GRAMMAR (EEG)	“LITERATURE (ORC)”
April	1	Unit 1 (FAC)	Informal Letter	Sentences kinds	After Twenty Years
April	2	Unit 3 (FAC)	Story Writing	Subject-Predicate (Re-cap)	Life (poem)
				Sentence transformation	
May	3	Ch 2 (Comm)	Magazine	Determiners	The Canterville Ghost
		HHW (Comm)	Article		
June	4	Unit 6 (FAC)	Formal Letter	Adjective Degrees of comparison (Re-Cap)	Great Expectations
	5	Unit 8 (FAC)	Formal Letter	Intransitive & Transitive Verb Subject Verb Agreement	The Gift of India (Poem)
				Non Finites	
Pre-Midterm					
July	6	Unit 9 (Comm)	Diary Entry	Adverb	The Demon with the Matted Hair
				Preposition	
August	7	Unit 5 (Comm)	Magazine Article (Practice)	Phrases	Mrs. Packletide’s Tiger
August	8	Unit 9 (FAC)	Speech	Integrated Grammar	Romeo & Juliet
September	9	Revision	Revision	Revision	Revision
Half-Yearly					
October	10	Unit 12 (FAC)	Speech (Practice)	Clauses-Types	Romeo & Juliet (contd.)
November	11	Unit 17 (FAC)	Diary Entry	Voice	The Solitary Reaper (Poem)
Post-Midterm					
November	12	Unit 18 (FAC)	Notice	Tense	The Purple Children
December	13	Unit 8 (Comm)	Report Writing	Reported Speech	The Monkey’s Paw
December	14	Unit 24 (FAC)	Debate	Reported Speech	The Village School-master (poem)

ENGLISH

MONTH	UNIT	READING	WRITING	GRAMMAR (EEG)	"LITERATURE (ORC)"
January	15	Unit 26 (FAC)	Email	Idiomatic expression Phrasal verbs	Fourteen (Play)
January	16	Unit 27 (FAC)	Story writing	Conjunction	Fourteen (contd.)
February	17	Unit 12 (Comm)			
February		Revision	Revision	Revision	Revision
Annual Exam					

Topics to be included in Annual Exam from Half Yearly Syllabus

*Language- All topics of Grammar
 Formal Letters
 Magazine Article

*Literature The Gift of India
 After Twenty Years
 Mrs Packletide's Tiger

HINDI

Name of the books- 1. AVIRAL PART-8
2. SADABAHAR KAHANIYA PART-8
3. SACHITRA HINDI VYAKARAN PART-8

MONTH	UNIT	LITERATURE	LANGUAGE
APRIL	I	इतने ऊँचे उठो	अनुच्छेद लेखन, कारक
APRIL	II	पगला कहीं का	विलोम शब्द, पर्यायवाची शब्द
MAY	III	स्नेह शपथ	वर्ण विच्छेद
JUNE	IV	पूरक-लोकप्रिय कहानियाँ (स्वत्व की रक्षा)	अपठित गद्यांश, अपठित पद्यांश
PRE MID TERM			
JULY	V	नीलकण्ठ	औपचारिक पत्र, समास
JULY	VI	अकबरी लोटा	वाक्य परिवर्तन
AUGUST	VII	पूरक-लोकप्रिय कहानियाँ (वह पत्ता न टूटा)	स्वर संधि, विज्ञापन लेखन
AUGUST	VIII		मुहावरे, संवाद लेखन, सूचना
SEPTEMBER	IX	पुनरावृत्ति	पुनरावृत्ति
Half Yearly Examination			
OCTOBER	X	युगावतार गाँधी	अनौपचारिक पत्र, उपसर्ग, प्रत्यय
NOVEMBER	XI	पंच परमेश्वर	संधि (व्यंजन, विसर्ग)
POST MID TERM			
NOVEMBER	XII	नदी का रास्ता	अनुस्वार, अनुनासिक, नुक्ता, 'र' के विभिन्न रूप
DECEMBER	XIII	पूरक-लोकप्रिय कहानियाँ (आनंदमठ की ललकार, घाट बाबू)	समास, अनुच्छेद
DECEMBER	XIV	भोलाराम का जीव	विराम चिह्न, चित्र वर्णन, विज्ञापन
JANUARY	XV	शक्ति और क्षमा	वाक्य शुद्धीकरण, मुहावरे
FEBRUARY		पुनरावृत्ति	पुनरावृत्ति
ANNUAL EXAMINATION			

Topics to be included in Annual Exam from Half Yearly-

- ❖ अपठित गद्यांश, अपठित पद्यांश
- ❖ स्वर संधि
- ❖ वाक्य परिवर्तन
- ❖ अकबरी लोटा
- ❖ औपचारिक पत्र

BENGALI

Name of the books:- * SAHITYA MUKUL * BHASHA BICHITRA * GOLPO BITAN

MONTH	UNIT	TOPIC
April	1	সাহিত্য মুকুল : তোতা কাহিনী (গদ্য)
April	2	ভাষা বিচিত্রা : বাক্য পরিবর্তন (নির্দেশক, ইতিবাচক, নেতিবাচক, প্রশ্নবাচক, বিস্ময়সূচকবাক্য)
May	3	নির্মিতি : অনুচ্ছেদ রচনা গল্প বিতান : ঈশ্বরচন্দ্রের নিভীকতা
June	4	সাহিত্য মুকুল : দেবসভায় বেহুলা (গদ্য) ভাষা বিচিত্রা : বোধপরীক্ষণ
PRE MID TERM		
July	5	সাহিত্য মুকুল : ভোরাই (পদ্য) ভাষা বিচিত্রা : স্বরসন্ধি
July	6	সাহিত্য মুকুল : জীবন ভিক্ষা (পদ্য)
August	7	সাহিত্য মুকুল : অপূর কল্পনা (গদ্য) ভাষা বিচিত্রা : ব্যঞ্জন সন্ধি
August	8	নির্মিতি : পত্ররচনা (ব্যক্তিগত) গল্প বিতান : যোগেন পন্ডিত
September	9	ভাষা বিচিত্রা : বোধপরীক্ষণ
REVISION		
HALF-YEARLY EXAMINATION		
October	10	সাহিত্য মুকুল : জীবন বন্দনা (পদ্য)
November	11	সাহিত্য মুকুল : অরবিন্দ প্রসঙ্গে (গদ্য) ভাষা বিচিত্রা : সাধু-চলিত ভাষা
November	12	গল্প বিতান : জাহানারা নির্মিতি : অনুচ্ছেদ রচনা

BENGALI

MONTH	UNIT	TOPIC
POST MID TERM		
December	13	নির্মিতি : পত্ররচনা (ব্যক্তিগত) ভাষা বিচিত্রা : এক কথায় প্রকাশ
January	14	সাহিত্য মুকুল : ছোটোর দাবি (পদ্য) ভাষা বিচিত্রা : বোধপরীক্ষণ
February	15	REVISION ANNUAL EXAMINATION
Topics to be included in Annual Exam form Half yearly syllabus		
সাহিত্য মুকুল : তোতা কাহিনী (গদ্য) ,অপুর কল্পনা (গদ্য) ,জীবন ভিক্ষা (পদ্য) গল্প বিতান : যোগেন পন্ডিত ভাষা বিচিত্রা : বাক্য পরিবর্তন (নির্দেশক ,ইতিবাচক ,নেতিবাচক,প্রশ্নবাচক,বিস্ময়সূচকবাক্য) স্বরসন্ধি , ব্যঞ্জন সন্ধি		

HINDI 3rd Language

NAME OF THE BOOKS:-

NAVIN SANKALP PART-4

VYAKARAN VATIKA-3

MONTH	UNIT	LITERATURE	LANGUAGE
APRIL	I	प्रार्थना	संज्ञा
APRIL	II	वृक्षराज	अपठित गद्यांश अनुच्छेद लेखन
MAY	III	सच्चा मित्र	सर्वनाम
JUNE	IV	बकरी और मेमना	लिंग
PRE MID TERM			
JULY	V	स्वस्थ है तन मन	अनौपचारिक पत्र
JULY	VI	हाकिम का न्याय	नारा लेखन
AUGUST	VII	स्वार्थी अंजलि	वचन
AUGUST	VIII	दीपों का पर्व	विशेषण
SEPTEMBER	IX	पुनरावृत्ति	पुनरावृत्ति
Half Yearly Examination			
OCTOBER	X	प्रकृति	विलोम शब्द
NOVEMBER	XI	आओ बच्चो! मिलकर कह दें	औपचारिक पत्र
POST MID TERM			
NOVEMBER	XII	जन्मदिन के बहाने	वाक्यांशों के लिए एक शब्द, पर्यायवाची शब्द
DECEMBER	XIII	फूलों का नगर	विज्ञापन लेखन
JANUARY	XIV	संगठन में शक्ति है	
FEBRUARY	XV	पुनरावृत्ति	पुनरावृत्ति
ANNUAL EXAMINATION			
Topics to be included in Annual Exam from Half Yearly-			
❖ अनौपचारिक पत्र			
❖ वचन			
❖ लिंग			
❖ अपठित गद्यांश, अनुच्छेद लेखन			
❖ विशेषण			

BENGALI 3rd Language

Name of the books (1) Bichitrapath (Literature)
(2) Bhashabichitra (Language)

MONTH	UNIT	TOPIC
APRIL	1	সাহিত্য : আমার ছেলেবেলা (গদ্য)
APRIL	2	নির্মিতি :- বোধপরীক্ষণ
MAY	3	ব্যাকরণ : এক কথায় প্রকাশ সাহিত্য : লাডাকের বুনো হাঁস (সরব পাঠ)
JUNE	4	সাহিত্য : মেয়েদের পদবি (পদ্য) নির্মিতি :- অনুচ্ছেদ
PRE-MIDTERM		
JULY	5	সাহিত্য : চালিয়াত (গদ্য) লড়বে নাকি (পদ্য)
JULY	6	ব্যাকরণ : পদ (বিশেষ্য, বিশেষণ, সর্বনাম, ক্রিয়া, অব্যয়) নির্মিতি :- পত্রলিখন
AUGUST	7	সাহিত্য : কালো কালো মেঘগুলি (পদ্য)
AUGUST	8	ব্যাকরণ : বচন ও লিঙ্গ
SEPTEMBER	9	নির্মিতি :- বোধপরীক্ষণ ব্যাকরণ :- ক্রিয়ার কাল REVISION
HALF YEARLY EXAMINATION		
OCTOBER	10	সাহিত্য :- মহিষাসুর (গদ্য) পাখি ও মানুষ (কবিতা আবৃত্তি) ব্যাকরণ :- ক্রিয়ার কাল
NOVEMBER	11	সাহিত্য :- কবি ও নোবেল পুরস্কার (গদ্য)

BENGALI 3rd Language

MONTH	UNIT	TOPIC
POST MIDTERM		
NOVEMBER	12	নির্মিতি :- অনুচ্ছেদ মা (পদ্য) (কবিতা আবৃত্তি)
DECEMBER	13	সাহিত্য : অকর্মার বিভ্রাট (পদ্য) ব্যাকরণ :বিপরীতার্থক শব্দ নির্মিতি :- পত্রলিখন
JANUARY	14	ব্যাকরণ :সমার্থক শব্দ নির্মিতি :- বোধপরীক্ষণ REVISION
FEBRUARY	15	REVISION
ANNUAL EXAMINATION		
Topics to be included in Annual Exam from Half Yearly syllabus: <ul style="list-style-type: none"> মেয়েদের পদবি (পদ্য) আমার ছেলেবেলা (গদ্য) এক কথায় প্রকাশ <ul style="list-style-type: none"> বচন 		

SANSKRIT 3rd Language

NAME OF THE BOOKS- 1. नई दीप मणिका (8)

2. मणिका संस्कृत व्याकरण (8)

UNIT	MONTH	LITERATURE	LANGUAGE
I	APRIL	अस्माकम् विद्यालयः	अपठितगद्यांशः, वर्णविन्यासः
II	APRIL	चन्द्रगुप्तस्य न्यायः	समयलेखनम्
III	MAY	सुवचनानि	अनुवाद :
IV	JUNE	शृगालकथा	पर्यायाः विपर्ययाः च
PRE MID TERM			
V	JULY	ईश्वरः यत्करोति शोभनं करोति	चित्रवर्णनम्
VI	JULY	प्रहेलिकाः अन्तर्लापाश्च	पत्रलेखनम्
VII	AUGUST	वरं बुद्धिर्न सा विद्या	अनुवादः, शब्दरूपाणि
VIII	AUGUST	साहित्यसुधा	धातुरूपाणि
IX	SEPTEMBER	पुनरावृत्तिः	पुनरावृत्तिः
HALF YEARLY EXAMINATION			
X	OCTOBER	अन्तर्जालम्	प्रत्ययाः, संधिः (स्वर)
XI	NOVEMBER	गोवाप्रदेशः	पत्रलेखनम्, समयलेखनम्
POST MID TERM			
XII	NOVEMBER	दुर्बलानां बलं युक्तिः	अपठितगद्यांशः, चित्रवर्णनम्, धातुरूपाणि
XIII	DECEMBER	प्रकाशस्य परावर्तनम् अपवर्तनं च	समासाः, अनुवादः, शब्दरूपाणि
XIV	JANUARY	संख्याप्रयोगः	अपठितगद्यांशः, पर्यायाः विपर्ययाः च
XV	FEBRUARY	पुनरावृत्तिः	पुनरावृत्तिः
ANNUAL EXAMINATION			
TOPICS TO BE INCLUDED IN ANNUAL EXAMINATION FROM HALF YEARLY-			
(1) सुवचनानि			
(2) वरं बुद्धिर्न सा विद्या			
(3) साहित्यसुधा			

FRENCH 3rd Language

MONTH	UNIT	TOPIC
April	Leçon - 1	Les matières, Grammaire
May	Leçon - 2	Les Sports, Grammaire
June	Leçon - 3	Chez le médecin, Les corps, Expressions avec “avoir”
Pre-Mid Term		
July	Leçon - 4	Une fête de famille, Les fêtes, Grammaire
August	Révision -1	Grammaire
	Leçon - 5	Les vacances, Grammaire
September	Revision	
	Leçon - 6	Notre terre, Grammaire
	Mid Term	
October	Leçon – 7	A la plage, Grammaire
November	Leçon - 8	Un pique-nique, Grammaire
Post-Mid Term		
December	Révision -2	Grammaire
January	Révision -2	Grammaire
	Revision	
February	Revision	
Final Term		

□ Syllabus for Final Term : Leçon – 4,5,6,7,8 and Révision -2, Grammaire

GERMAN 3rd Language

MONTH	UNIT	TOPIC	SUB TOPICS
April	MODUL 5 LEKTION 1	Stefan, wie geht's dir?	1. Beim Arzt. Die Meinung des Arztes. 2. Bestimmter Artikel – Dativ. 3. Personal pronomen Dativ.
May	MODUL 5 LEKTION 1	Stefan, wie geht's dir?	4. Fragewort: Wem? 5. Imperativ.
June	MODUL 5 LEKTION 2	Gesund Leben	1. Was tust du für deine Gesundheit? 2. Was darf ein Vegetarier essen?
PRE MID TERM			
July	MODUL 5 LEKTION 2	Gesund Leben	3. Modalverbs – dürfen, sollen. 4. Nebensatz mit weil.
August	MODUL 5 LEKTION 3	Was hast du für deine Gesundheit getan?	1. Wann ist der Unfall passiert? 2. Perfekt: haben, sein. Regelmäßige Verben. 3. Temporalangaben: heute, gestern.
September	Wir trainieren	Wiederholung	Hören, sprechen, lesen und schreiben.
MID TERM			
September	MODUL 6 LEKTION 1	Wo ist Tina?	1. Lokal Ergänzung: Präposition- an, in, vor, hinter, neben + Dativ
October	MODUL 6 LEKTION 1	Wo ist Tina?	2. Fragewort – Wo? 3. Die Verben – wissen, stehen, sitzen.
November	MODUL 6 LEKTION 2	Hast du Lust, ins Kino zu gehen?	1. Lokal Ergänzung: Präposition- auf, in + Dativ. 2. Fragewort – Wohin? Präposition- auf, in + Akkusativ.
POST MID TERM			
November	MODUL 6 LEKTION 2	Hast du Lust, ins Kino zu gehen?	1. Lokal Ergänzung: zur, zum. 2. Präposition: entlang, um, durch, bis, von, mit.
December	MODUL 6 LEKTION 3	Ordnung muss sein!	1. Verben – stellen-stehen, legen-liegen, sitzen-setzen, hängen. 2. Lokal Ergänzung: Präposition- Wo? + Dativ. 3. Wohin? + Akkusativ.

MATHEMATICS

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
April	1	Rational Number	1. Properties 2. Representation on a number line 3. Four operations 4. Applications	To observe the given number pattern and write the next few steps
	2	Exponents	1. Laws and its applications 2. Standard form	
	3	Compound Interest	1. To find CI when: (a). Compounded Annually (b). Compounded Half-Yearly (c). Rates are different for different years (d). Time is a fraction (e). Application on CI (Depreciation) (f). Interest compounded Quarterly	
May	4	Data Handling	1. Frequency distribution table 2. Bar Graph 3. Histogram 4. Pie Chart	Collecting data and representing in the form of Pie Chart
June	5	Algebraic Expression	1. Fundamental Operations on algebraic expressions	Derivation of Algebraic Identity $(a + b)^2$ by paper cutting and pasting
	Pre Mid Term			
July	6	Algebraic Identities and Factorisation	1. Some Special Products and identities. 2. Factorisation	
	7	Linear Equations	1. Solving Linear Equations 2. Problems based on Linear Equations	
August	8	Mensuration	1. Area of a Trapezium and a Rhombus 2. Area of a regular and an Irregular Polygon	
	9	Understanding Quadrilaterals	1. Definition and Classification of Polygons. 2. Angle sum Property of Quadrilaterals. 3. Kinds of Quadrilaterals and their Properties 4. Sum of the Interior and Exterior angle of a convex polygon. 5. No of diagonals of a regular polygon	Sum of exterior angles of a polygon is 360
		Revision for Half Yearly Examination		
		Half Yearly Examination		

MATHEMATICS

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
September	10	Squares and Square Roots	1. Perfect squares and Square numbers. 2. Pythagorean Triplet 3. Square roots by prime factorisation and long division method	
October	11	Probability	Theory and it's Application	
	12	Commercial Arithmetic	1. Percentage	
			2. Profit and Loss	
			3. Discount	
			4. Sales Tax and VAT	
November	Post Mid Term			
	13	Mensuration	Volume and Surface Area of Cube, Cuboid and Right Circular Cylinder	1. Sum of interior angles of a quadrilateral is 360° 2. To make Kite and Rhombus by paper folding and cutting
December	14	Construction of Quadrilaterals	Construction of Quadrilaterals	
			1. When four sides and one diagonal is given	
			2. when three sides and two diagonals	
			3. when three sides and two included angles are given	
			4. when two adjacent sides and three angles are given	
			5. When four sides and one angle is given	
			Construction of Special Types of Quadrilaterals	
			1. Square	
			2. Rectangle	
			3. Rhombus	
			4. Parallelogram	
			5. Trapezium	
	15	Time & Work	1. Word problems on Time and Work 2. Problems on pipes and cisterns.	

MATHEMATICS

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
	16	Direct & Inverse Proportion	1. Difference between the two proportions. 2. Application	Derivation of formula of total surface area of cuboid
January	17	Introduction to Graphs	1. Difference between Line graph and Linear Graph 2. Basic concept of coordinate axes and the quadrants and the sign conventions related to it. 3. Plotting of points 4. Linear Graphs	
	18	Set Theory	1. Definition of Sets. 2. Types of Sets 3. Representation in Tabular and Roster Method 4. Finite sets, Infinite sets, Equal sets, Equivalent sets, Subsets, Proper subsets	
	19	Cubes and Cube Roots	1. Finding out cube root of a number by prime factorisation method.	
February	Revision for Annual Examination			
	Revision for Annual Examination			
	Annual Examination			

Syllabus For Annual Examination

- 1) Compound Interest
- 2) Algebraic Identities and Factorisation
- 3) Understanding Quadrilaterals
- 4) Squares and Square Roots
- 5) Probability
- 6) Commercial Arithmetic
- 7) Mensuration
- 8) Construction of Quadrilaterals
- 9) Time & work
- 10) Direct and Inverse Proportion
- 11) Introduction to Graphs
- 12) Set Theory
- 13) Cubes and Cube Roots

PHYSICS

MONTH	UNIT	TOPIC	BOOK	SUB TOPIC
April	1	Force and Pressure	NCERT & Basic Science	Force - introduction; Effects of force on rigid and non- rigid bodies.
		Force and Pressure	NCERT & Basic Science	Types of force - contact forces and non-contact forces.
May		Force and Pressure	NCERT & Basic Science	Pressure; pressure exerted by liquids and gases; atmospheric pressure.
June	2	Friction	NCERT & Basic Science	Friction -Introduction; Factors affecting friction.
Pre Midterm				
July	2	Friction	NCERT & Basic Science	Friction - a necessary evil; increasing and reducing friction
July		Friction	NCERT & Basic Science	Types of friction; Fluid friction.
August		Sound	NCERT & Basic Science	How sound is produced; How sound travels; Sound needs a medium for propagation.
August		Sound	NCERT & Basic Science	Characteristics of sound
September		Revision	NCERT & Basic Science	Pressure; Friction.
Half Yearly Exam				
October	3	Sound	NCERT & Basic Science	Musical Instruments; How we hear sound; Noise and Music; Audible and in audible sound; Reflection of sound; Echoes.
November	4	Some Natural Phenomena	NCERT & Basic Science	Lightning, Charging by rubbing, Types of charges and their interaction, Transfer of charge, Story of lightning, Lightning safety, Earthquakes,
Post Midterm				
November	5	Light	NCERT & Basic Science	Reflection (regular and diffused); Laws of relection; Image formed by a plane mirror; Multiple reflection;
December		Light	NCERT & Basic Science	Dispersion of light; How do we see; Care of the Eyes; Braille system;
December	6	Stars and the Solar system	NCERT & Basic Science	Introduction; Moon - phases of the moon, surface of the moon; Stars, Constellations.
January		Stars and the Solar system	NCERT & Basic Science	Solar system - Sun, Planets, Asteroids, Comets, Meteors and Meteorites; Artificial satellites.



PHYSICS

MONTH	UNIT	TOPIC	BOOK	SUB TOPIC
January		Revision	NCERT & Basic Science	Friction; Sound
February		Revision	NCERT & Basic Science	Electricity; Light
Annual Examination				

Syllabus For Annual Examination

Friction, Sound, Electricity, Light

CHEMISTRY

MONTH	UNIT	TOPIC	SUB TOPIC
April	1	Metals and Non-Metals	Physical properties of metals and non-metals
			Chemical properties of metals and non-metals
May		Metals and Non-Metals	Uses of metals and non-metals
June	2	Coal and Petroleum	Exhaustible and In-exhaustible natural resources, Coal, Story of coal, Products obtained from destructive distillation of coal, types of coal
Pre-Mid Term Examination			
July	2	Coal and Petro-leum	Petroleum-Its formation, refining, natural gas, some natural resources are limited
	3	Combustion and Flame	What is Combustion? Fuel, ignition temperature, inflammable substances activity 6.1 to 6.4, how do you control fire?
August	3	Combustion and Flame	Types of combustion, flame-its structure, what is a fuel? Fuel efficiency, harmful effects of burning fuel.
	4	Synthetic Fibres and Plastics	What are synthetic fibres? Types of synthetic fibres, characteristics, rayon, advantages and disadvantages, types of plastic, plastic as material of choice, some important properties of synthetic materials, plastic and environment.
September	Revision & Half Yearly Examination		
October	5	Pollution of Air and Water	Air pollution, Case study of Taj Mahal, Green House Effect, What can be done? Methods to reduce air pollution.
November	5	Pollution of Air and Water	How does water get polluted? Ganga action plan.
			What is potable water? How is it purified? What can be done?
Post-Mid Term Examination			
December	6	Chemical effects of Electric Current	Do liquids conduct electricity? Conduction in solid.
January	6	Chemical effects of Electric Current	Electrolysis, electroplating
February	Revision & Annual Examination*		

Syllabus For Annual Examination

Combustion and Flame
 Synthetic Fibers & Plastics
 Pollution of Air and Water
 Chemical effects of electric current

BIOLOGY

MONTH	UNIT	TOPIC	SUB TOPIC
April	1	Food-Production	Growing crops
			Sowing seeds
			Improving soil
			Irrigation
			Crop protection
May			Harvesting
			Storage
			Food from Animals
June	2	The Cell	Introduction
			Types of cells
Pre Mid-Term			
July	2	The Cell	Structure of a cell
			Types of tissues
August	3	Microorganisms	Algae
			Bacteria
			Fungi
			Moulds
			Protozoans
Viruses, Preservation of food			
September		Revision	
Mid Term/Half Yearly			
October	4	Reproduction	Introduction
			Sexual reproduction in animals
			Reproduction in Man
			The female reproductive system
			Fertilization, pregnancy and child birth
November			The menstrual cycle
			Secondary sexual characters
			The Endocrine system
			Gender and sex
			Sex determination
Post Midterm			
December	5	Reproduction in Animals	Viviparous and oviparous animals
			Young ones to adults
			Asexual Reproduction

BIOLOGY

MONTH	UNIT	TOPIC	SUB TOPIC
January	6	Conservation	Biodiversity
			Loss of biodiversity
			Impact of biodiversity loss
			Red Data Book, About India
			Protecting Biodiversity
			People's Participation
			Revision
February			Revision

Annual Examination

1. Microorganisms
2. Reproduction
3. Reproduction in Animals
4. Conservation

HISTORY & CIVICS

MONTH	UNIT	HISTORY	UNIT	CIVICS
April	1	When,Where and How		
May	2	Establishment of company Rule		
June				
July	Pre Mid Term			
July			3	Constitution and Need for laws
July			4	Ideas and Ideals of the Indian Con-stitution
July	5	Revolt of 1857		
July	6	Rural life & Society		
August			7	Union Legislature
August			8	Union Executive
September	Revision & Half Yearly Examination			
October			9	Judiciary
October November	10	National Movement (1885-1919)		
November	11	National Movement (1919-1947)		
December	Post Mid Term		12	Role of Police and that of the Courts
January	13	Women & Reformers		
February	Map Work		14	Activity: Enrichment- Social Justice and the Marginalised
February	Revision & Annual Examination			

Syllabus For Annual Examination

- (1) When, Where and How
- (2) Revolt of 1857
- (3) National Movement (1885-1919)
- (4) National Movement (1919-1947)
- (5) Women & Reformers
- (6) Constitution and Need for laws
- (7) Ideas and Ideals of the Indian Constitution
- (8) Judiciary
- (9) Role of Police and that of the Courts

GEOGRAPHY

MONTH	UNIT	TOPIC	SUB-TOPIC
April	1	Natural Resources	Concept of resources Classification of Resources Conservation of Resources
May & June	2	Human Resources	Distribution of Population Factors affecting Population Distribution Population Composition Growth of Population
Periodic Test 1			
July	3	Land, water and soil resources	Land - Its Importance Classification of Land Land Use Conservation of Land
		Land, water and soil resources	Soil Profile Soils Of India Soil Erosion and Conservation Water Resources of India Water pollution and Conservation
August	4	Mineral and Power Resources	Types of Minerals Extraction of minerals Distribution of Minerals in India
Revision Classes			
Half Yearly Examination			
October	4 (contd)	Mineral and Power Resources	Conventional and Non Conventional Power Resources Conservation of Power Resources
November	5	Agriculture	Factors influencing Agriculture Types of farming Major Crops
December	6	Industries	Adding value to Resources Importance of Industries Classification of Industries
Periodic Test 2			
JANUARY	6 (contd.)	Industries	Factors influencing Location of Industries Major Industries - Case Study Jamshedpur - Iron and Steel Plant
Revision Classes			
Annual Examination			

Syllabus For Annual Examination

Minerals and Power Resources
 Agriculture
 Industries
 Natural Resource
 Human Resource

COMPUTER SCIENCE

MONTH	TOPIC	SUB-TOPIC
April	Creating Planes For 3D Models	• Introduction To Sketchup Make
		• Selecting And Hiding An Object
		• Creating Plane
		• Saving A Sketchup Make File
	Designing 3D Objects	• Drawing Walls
		• Drawing Stairs
		• Rotating Object Using Camera View
May	Working With 3D Models	• Adding Text And Colour
		• Downloading Models
		• Creating Video
June	Creating My First Video	• Getting Started With Video Editing
		• Developing Movie Projects
		• Exporting A Movie Into Wmv Format
Pre Mid Term		
July	Creating A Documentary	• Modifying A Video
		• Making A Video Presentable
	Applying Special Effects	• Visual And Audio Effects
		• Adding Text To Video
August	New Trends On The Internet	• Interacting On The Internet
		• Taking The Internet With You
	Beginning With C++	• Welcome To Oops Ville
		• Program Creation And Execution
September	Revision	
	Half Yearly Exam	
	Storing And Using Data	• Variables And Data Types
October	Storing And Using Data	• Types Of Operators
	Programming With C++	• Accepting User Input
		• Choosing Operations
		• Using User Defined Functions
		• Creating Arrays
November	Beginning With Oops	• Creating Class
	Post Mid Term	
	Beginning With Oops	• Creating Class
December	Inheritance And Function Overloading	• Implementing Inheritance
		• Types Of Inheritance
		• Visibility Modes
		• Implementing Function Overloading
January	Using The C++ Library	• Us ing Library Functions
		Revision (Chapter Form First Term - New Trends On Internet)
February		Revision (Chapter Form First Term - Creating Planes For 3D Models , Designing 3D Objects)
Annual Exam		

GENERAL KNOWLEDGE & VALUE EDUCATION

MONTH	General Knowledge	Value Education
	Name of the Unit	Name of the Unit
April	Discovering India	The Jar of Life
		What Can You Share
May	Our World	Your Rights My Rights
June	Our World (contd.)	I Feel What You Feel
		The Grand People In Our Lives
July	Growing Up	Think Positive
		Your Poster
August	Facts & Current Affairs	Humility Is Wisdom
September	Half Yearly Examination	
October	Knowing India	Active Voice Passive Voice
	Leisure And Lifestyle	From First To Last
November	Leisure And Lifestyle (contd.)	Cast Out Caste
December	Why and Why Not	India's Missing Daughters
		Home To All Religions
January	The Natural World	Ahimsa - The Moral Weapon
		Mahatma
February	Annual Examination	

Topics to be included in the Annual Examination

General Knowledge

Knowing India,
 Leisure And Lifestyle,
 Why And Why Not,
 The Natural World and Current Affairs

Value Education

Unseen Comprehension Passage

