



# RUBY PARK PUBLIC SCHOOL



## Syllabus

Class VIII



**Syllabus**  
**Class VIII**

Session: 2024 - 25



**ENGLISH**

MONTH	READING	WRITING	GRAMMAR	LITERATURE
<b>APRIL</b>	Boyhood Days	Paragraph Writing	Sentences - Kinds	The River Came Home
<b>MAY</b>	The Nightingale and the Glowworm	Paragraph Writing(contd.)	Conjunctions	Felling of the Banyan Tree (Poem)
<b>JUNE</b>	<b>PRE MID TERM EXAMINATION</b>			
<b>JUNE</b>	Father's Help	Magazine Article Diary Entry E-mail	Subject-Predicate Determiners Non-finites	The Monkey's Paw The Road Not Taken (Poem) Ozymandias (Poem)
<b>JULY</b>	Jamaican Fragment	Formal Letter Speech Writing	Phrases & Clauses Transformation of Sentences	The Monk Protectors of Arunachal's Wetlands The Rime of the Ancient Mariner (Poem) A Short Walk in the Hindukush



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<b>AUGUST</b>	The Secret of the Machines	Notice	Transformation of Sentences (contd.) Prepositions	A Tale of Two Cities
<b>AUGUST</b>	<b>REVISION FOR HALF YEARLY EXAMINATION</b>			
<b>AUGUST SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>			
<b>SEPTEMBER</b>	The Stalled Ox	Precis Writing	Adverbs Transitive and Intransitive Verbs	The Elder Brother Commentator (Poem)
<b>OCTOBER</b>	Her First Party	Debate	Tenses	The Six Napoleans
<b>NOVEMBER</b>	On a Night of Snow	Dialogue Writing	Active and Passive Voice	Where The Mind is Without Fear (Poem) The Gift of the Magi
<b>NOVEMBER DECEMBER</b>	<b>POST MID TERM EXAMINATION</b>			
<b>DECEMBER</b>	The Unexpected	Report Writing	Reported Speech	The Last Wolf My Financial Career
<b>JANUARY</b>	Springtime a la carte	Report Writing (contd.)	Subject Verb Agreement	Refugee Blues



	<b>REVISION FOR ANNUAL EXAMINATION</b>
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>
<b>Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam</b>	
<b>Language</b>	<b>Literature</b>
<b>Debate</b>	<b>Ozymandias</b>
<b>Phrases and Clauses</b>	<b>The Monkey's Paw</b>
<b>Integrated Grammar</b>	





**2<sup>ND</sup> LANGUAGE- HINDI**

MONTH	LANGUAGE	LITERATURE
APRIL	अपठित गद्यांश, कारक, विलोम, शब्द (1-25) पर्यायवाची शब्द (1-25), अनुच्छेद लेखन	जीवन नहीं मरा करता है, दो कलाकार
MAY	समास	ठीक निशाने पर
JUNE	PRE MID TERM EXAMINATION	
JUNE	उपसर्ग-प्रत्यय, चित्र वर्णन	चीफ़ की दावत (कहानी संचय)
JULY	अनौपचारिक पत्र, संवाद लेखन	अंबर की बातें क्या जानूँ, भारत में सिनेमा के जनक
AUGUST	विज्ञापन लेखन	अनोखा सेनापति (कहानी संचय)
AUGUST- SEPTEMBER	REVISION FOR HALF YEARLY EXAMINATION	
	HALF YEARLY EXAMINATION	
SEPTEMBER	औपचारिक पत्र, लघु कथा लेखन	भारतगान
OCTOBER	रचना के आधार पर वाक्य के भेद और परिवर्तन	महायज्ञ का पुरस्कार, मन की कोमलता (कहानी संचय)
NOVEMBER	शब्द और पद, पदबंध, अनुस्वार-अनुनासिक	सारनाथ
NOVEMBER – DECEMBER	POST MID TERM EXAMINATION	
DECEMBER	मुहावरे (61-83), सूचना लेखन	बीज पौध का जन्म



<b>JANUARY</b>	<b>अनुच्छेद लेखन</b>	<b>कुंडलियाँ, गाँव के गुणी राम (कहानी संचय)</b>
<b>FEBRUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>	
	<b>ANNUAL EXAMINATION</b>	

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**

<b>LANGUAGE</b>	<b>LITERATURE</b>
<b>अपठित गद्यांश</b>	<b>दो कलाकार</b>
<b>अनौपचारिक पत्र</b>	-
<b>विज्ञापन लेखन</b>	-



**2<sup>ND</sup> LANGUAGE-BENGALI**

MONTH	LANGUAGE	LITERATURE
APRIL	নির্মিতি - বোধ পরীক্ষণ ব্যাকরণ - সাধু চলিত সমার্থক শব্দ	তোতাকাহিনী (গদ্য)
MAY	নির্মিতি -অনুচ্ছেদ লিখন	যোগেন পন্ডিত (সহায়ক পাঠ)
JUNE	<b>PRE MID TERM EXAMINATION</b>	
JUNE	নির্মিতি - পত্রলিখন (ব্যক্তিগত পত্র) ব্যাকরণ - বাক্য পরিবর্তন(অর্থগত)	ঈশ্বরচন্দ্রের নির্ভীকতা(সহায়ক পাঠ) আগামী(কবিতা)
JULY	ব্যাকরণ -সাধু চলিত কারক বিভক্তি(সম্পূর্ণ)	ভোরাই(কবিতা)
AUGUST	ব্যাকরণ -কারক বিভক্তি (সম্পূর্ণ) নির্মিতি -বিজ্ঞাপন লিখন	অপুর কল্পনা(গদ্য)
AUGUST	<b>REVISION FOR HALF YEARLY EXAMINATION</b>	
AUGUST- SEPTEMBER	<b>HALF YEARLY EXAMINATION</b>	
SEPTEMBER	ব্যাকরণ -ব্যঞ্জনসন্ধি বিসর্গসন্ধি	পদ্মানদীর মাঝি(গদ্য)
OCTOBER	নির্মিতি -সম্পাদকীয় পত্র	জীবন শিক্ষা(কবিতা)
NOVEMBER	ব্যাকরণ -অশুদ্ধি সংশোধন নির্মিতি - অনুচ্ছেদ	ছিনাথ বহুরূপী (সহায়ক পাঠ)
NOVEMBER - DECEMBER	<b>POST MID TERM EXAMINATION</b>	
DECEMBER	ব্যাকরণ -উপসর্গ নির্মিতি - অনুচ্ছেদ	বাংলার মুখ আমি দেখিয়াছি(কবিতা) অরবিন্দ প্রসঙ্গে(গদ্য)



<b>JANUARY</b>	নির্মিত - বোধ পরীক্ষণ সম্পাদকীয় পত্র	নির্ব্বারের স্বপ্নভঙ্গ(কবিতা)
	<b>REVISION FOR ANNUAL EXAMINATION</b>	
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>	

**Topics from Term 1 syllabus covered before HY Exam to be included in the Annual Exam**

<b>LANGUAGE</b>	<b>LITERATURE</b>
বাক্য পরিবর্তন (অর্থগত) সাধু চলিত ভাষা	তোতাকাহিনি ঈশ্বরচন্দ্রের নির্ভীকতা আগামী





**3<sup>RD</sup> LANGUAGE- HINDI**

MONTH	LANGUAGE	LITERATURE
APRIL	अपठित गद्यांश, संज्ञा, अनुच्छेद लेखन, लिंग	भारत की संतान, सबसे अच्छा बस्ता
MAY	सर्वनाम	दीए का अहंकार
JUNE	PRE MID TERM EXAMINATION	
JUNE	चित्र वर्णन	बीरबल की होशियारी
JULY	अनौपचारिक पत्र, विशेषण	धूर्त बगुला
AUGUST	मुहावरे	ईदगाह
AUGUST - SEPTEMBER	REVISION FOR HALF YEARLY EXAMINATION	
	HALF YEARLY EXAMINATION	
SEPTEMBER	विलोम शब्द, विराम चिह्न	न्यायप्रिय राजा
OCTOBER	औपचारिक पत्र	उगता सूरज
NOVEMBER	वाक्यांशों के लिए एक शब्द, पर्यायवाची शब्द	सच्चा हीरा
NOVEMBER - DECEMBER	POST MID TERM EXAMINATION	
DECEMBER	विज्ञापन लेखन	हम सब सुमन एक उपवन के
JANUARY	अनुच्छेद लेखन	महाराजा रंजीत सिंह
FEBRUARY	REVISION FOR ANNUAL EXAMINATION	



ANNUAL EXAMINATION	
Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam	
LANGUAGE	अपठित गद्यांश, चित्र वर्णन, मुहावरे, लिंग
LITERATURE	बीरबल की होशियारी



**3<sup>RD</sup> LANGUAGE- BENGALI**

MONTH	LANGUAGE	LITERATURE
APRIL	স্বরবর্ণ	আমার ছেলেবেলা (গদ্য)
MAY	ব্যঞ্জনবর্ণ (পুনরালচনা)	লাডাকের বুনোহাঁস (গদ্য)
JUNE	PRE MID TERM EXAMINATION	
JUNE	ব্যাকরণ -পদ - বিশেষ্য , বিশেষণ , সর্বনাম , অব্যয় , ক্রিয়া, নির্মিতি - বোধ পরীক্ষণ	লড়বে নাকি (কবিতা) চালিয়াত (গদ্য) যখনকার যা তখনকার তা (কবিতা)
JULY	ব্যাকরণ - এক কথায় প্রকাশ নির্মিতি - পত্র লিখন (ব্যক্তিগত)	চালিয়াত (গদ্য) কালো কালো মেঘগুলি (কবিতা)
AUGUST	ব্যাকরণ -বচন নির্মিতি - অনুচ্ছেদ	কালো কালো মেঘগুলি (কবিতা)
AUGUST	REVISION FOR HALF YEARLY EXAMINATION	
AUGUST -SEPTEMBER	HALF YEARLY EXAMINATION	
SEPTEMBER	ব্যাকরণ -বচন , লিঙ্গ	মহিষাসুর (গদ্য)



	নির্মিতি - বোধ পরীক্ষণ	
<b>OCTOBER</b>	ব্যাকরণ - ক্রিয়ার কাল (অতীত , বর্তমান , ভবিষ্যৎ)  নির্মিতি - বোধ পরীক্ষণ	মহিষাসুর (গদ্য)
<b>NOVEMBER</b>	নির্মিতি -পত্র লিখন (ব্যক্তিগত) , অনুচ্ছেদ	অকর্মার বিভ্রাট (কবিতা)
<b>NOVEMBER – DECEMBER</b>	<b>POST MID TERM EXAMINATION</b>	
<b>DECEMBER</b>	ব্যাকরণ - বিপরীতার্থক শব্দ , সমার্থক শব্দ	কবি ও নোবেল পুরস্কার (গদ্য)
<b>JANUARY</b>	পুনরালোচনা	পুনরালোচনা
	<b>REVISION FOR ANNUAL EXAMINATION</b>	
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>	

**Topics from Term 1 syllabus covered before HY Exam to be included in the Annual Exam**

<b>LANGUAGE</b>	<b>LITERATURE</b>
বিশেষ্য , বিশেষণ , সর্বনাম , অব্যয় , ক্রিয়া	



**3<sup>RD</sup> LANGUAGE- SANSKRIT**

MONTH	LANGUAGE	LITERATURE
APRIL	अपठितगद्यांशः, वर्णविन्यासः, शब्दरूपाणि, धातुरूपाणि, समयलेखन म्	क्रिकेट-क्रीडा, बीरबलस्य चातुर्यम्
MAY	अपठितगद्यांशः	सुवचनानि
JUNE	PRE MID TERM EXAMINATION	
JUNE	वर्णसंयोजनम्	शृगालकथा
JULY	चित्रवर्णनम्	ईश्वरः यत्करोति शोभनं करोति, भारतस्य संविधानम्
AUGUST	शब्दरूपाणि, धातुरूपाणि	वरं बुद्धिर्न सा विद्या, साहित्य-सुधा
AUGUST - SEPTEMBER	REVISION FOR HALF YEARLY EXAMINATION	
	HALF YEARLY EXAMINATION	
SEPTEMBER	शब्दरूपाणि, धातुरूपाणि	अन्तर्जालम्
OCTOBER	अपठितगद्यांशः	गोवाप्रदेशः
NOVEMBER	चित्रवर्णनम्	दुर्बलानां बलं युक्तिः, प्रकाशस्य परावर्तनम् अपवर्तनं च
NOVEMBER - DECEMBER	POST MID TERM EXAMINATION	
DECEMBER	शब्दरूपाणि, धातुरूपाणि	संख्या-प्रयोगः
JANUARY	पुनरावृत्तिः	पुनरावृत्तिः





<b>FEBRUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>
	<b>ANNUAL EXAMINATION</b>

**Topics from Term 1 syllabus covered before HY Exam to be included in the Annual Exam**

<b>LANGUAGE</b>	<b>LITERATURE</b>
अपठितगद्यांशः चित्रवर्णनम्	सुवचनानि वरं बुद्धिर्न सा विद्या साहित्य-सुधा



**3<sup>RD</sup> LANGUAGE-FRENCH**

MONTH	CHAPTER	CHAPTER NAME	SUB-TOPIC
APRIL	Leçon-1	Les monuments et les musées parisiens	La culture française
	Leçon -11	Qu'est-ce que tu as fait le week-end ?	Passé composé avec << avoir >>
MAY - JUNE		<b>PRE MID TERM EXAMINATION</b>	
MAY	Leçon- 4	La journée d'Elena	Les verbes pronominaux Quelle heure est- il ? Décrivez votre journée au présent
JUNE	Leçon- 3	La vie au collège	L'interrogation Les adverbes de quantité
JULY	Leçon-5	C'est par où la gare ?	Les prépositions Pour s'orienter dans la Ville Décrivez un chemin
AUGUST	Leçon- 12	J'aime lire	Passé composé avec << être >> Qu'est-ce que vous avez fait hier? (au passé)
AUGUST		<b>REVISION FOR HALF YEARLY EXAMINATION</b>	
SEPTEMBER		<b>HALF YEARLY EXAMINATION</b>	
SEPTEMBER	Leçon 7	La fête de la francophonie	Les prépositions de lieux Décrivez un pays francophone
OCTOBER	Leçon-8	La nouvelle génération	L'impératif Ecrivez la recette
NOVEMBER	Leçon-6	Les fêtes françaises	Les fêtes françaises Ecrivez une lettre à votre ami en décrivant votre fête favorite



<b>NOVEMBER</b>	Leçon- 2	Les vrais amis	Les adjectifs Placement des adjectifs Décrivez votre meilleur ami
<b>DECEMBER</b>		<b>POST MID TERM EXAMINATION</b>	
<b>DECEMBER</b>	Leçon- 9	On prépare la fête	Les adverbes interrogatifs Les adjectifs interrogatifs
<b>JANUARY</b>	Leçon- 10	Journée de clôture	Savoir et connaitre verbe Décrivez vos loisirs / activités préférés.
<b>FEBRUARY</b>		<b>REVISION FOR ANNUAL EXAMINATION</b>	
		<b>ANNUAL EXAMINATION</b>	

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- Leçon-1 Les monuments et les musées parisiens**
- Leçon- 3 La vie au college**
- Leçon-5 C'est par où la gare ?**



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**PHYSICS**

MONTH	CHAPTER	SUB-TOPIC
APRIL	Force and Pressure	<ul style="list-style-type: none"> <li>Force introduction</li> <li>Effects of Force</li> <li>Types of force-(Contact forces and Non-Contact)</li> <li>Pressure.</li> <li>Pressure exerted by liquids and gases.</li> </ul>
MAY - JUNE	<b>PRE MID TERM EXAMINATION</b>	
MAY	Force and Pressure	<ul style="list-style-type: none"> <li>Measuring liquid pressure- The manometer.</li> <li>Pressure exerted by air.</li> <li>Application of air pressure in daily life.</li> <li>Consequences of atmospheric pressure.</li> </ul>
JUNE	Friction	<ul style="list-style-type: none"> <li>Introduction of friction</li> <li>Causes of friction</li> <li>Properties of friction</li> <li>Types of friction</li> <li>Friction in liquids and gases</li> <li>Advantages of friction.</li> </ul>
JUNE	Friction	<ul style="list-style-type: none"> <li>Disadvantages of friction</li> <li>Friction is a necessary evil.</li> <li>Methods of reducing friction.</li> <li>Methods of increasing friction.</li> </ul>
JULY	Sound	<ul style="list-style-type: none"> <li>Sound introduction</li> <li>Production of sound</li> <li>Vibrations and their characteristics</li> <li>Audible and inaudible sound</li> <li>Characteristic of sound</li> </ul>
AUGUST	<b>REVISION FOR HALF YEARLY EXAMINATION</b>	



<b>SEPTEMBER</b>	<b>Sound</b>	<ul style="list-style-type: none"><li>· Propagation of sound.</li><li>· Speed of sound.</li><li>· Reflection and absorption of sound.</li><li>· How do we hear sound</li><li>· Musical instruments and sounds Produced by them.</li><li>· Noise and music.</li><li>· Noise pollution.</li></ul>
<b>OCTOBER</b>	<b>Some natural phenomena.</b>	<ul style="list-style-type: none"><li>· Introduction.</li><li>· Electric charges.</li><li>· Ways of charging a body.</li></ul>
<b>NOVEMBER</b>	<b>Some natural phenomena</b>	<ul style="list-style-type: none"><li>· Detection and measuring charges.</li><li>· Charge in atmosphere or atmospheric electricity.</li><li>· Earthquake.</li></ul>
<b>NOVEMBER</b>		<b>POST MID TERM EXAMINATION</b>
<b>DECEMBER</b>	<b>Light</b>	<ul style="list-style-type: none"><li>· Introduction.</li><li>· Reflection of light.</li><li>· Regular and diffused reflection</li><li>· Laws of reflection</li><li>· Image formation by a plain mirror.</li><li>· Multiple images formed by two mirrors inclined at an angle.</li><li>· Refraction of light.</li></ul>





<b>JANUARY</b>	<b>Light</b>	<ul style="list-style-type: none"><li>· Eye- The natural optical instrument</li><li>· Defects of vision.</li><li>· Role of nutrition in relation to blindness.</li><li>· Visually challenged persons can read and write.</li></ul>
<b>JANUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>	
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>	

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**

<b>Sound</b>
<b>Force and Pressure</b>



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**CHEMISTRY**



MONTH	CHAPTER	SUB-TOPIC
APRIL	Coal and Petroleum	Types of natural resources. Fuels. Fossil fuels. Coal, destructive distillation of coal. Petroleum, refining of petroleum. Natural gas.
MAY	Coal and Petroleum	Energy crisis. Harmful effects of fossil fuels. Conservation of fossil fuels.
JUNE	<b>PRE MID TERM EXAMINATION</b>	
JUNE	Combustion and Flame	Combustion - conditions necessary, types of combustion.
JULY	Combustion and Flame	Extinguishing fire. Flame. Fuel - classification, calorific value, characteristics of a good fuel.
AUGUST	Combustion and Flame	Impact of burning fuels on environment.
AUGUST	<b>REVISION FOR HALF YEARLY EXAMINATION</b>	
AUGUST - SEPTEMBER	<b>HALF YEARLY EXAMINATION</b>	
SEPTEMBER	Structure of atom	Idea about subatomic particles and their position in an atom. Concept of electronic configuration. Ions.
OCTOBER	Chemical Effects of Electric Current	Electric current. Sources of electricity. Conductors and insulators.



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<b>NOVEMBER</b>	Chemical Effects of Electric Current	Conduction of electricity through liquids.
<b>NOVEMBER -DECEMBER</b>	<b>POST MID TERM EXAMINATION</b>	
<b>DECEMBER</b>	Chemical Effects of Electric Current	Chemical Effects of Electric Current. Applications of the chemical effect.
<b>JANUARY</b>	Chemical Effects of Electric Current	Applications of the chemical effect (continued).
	<b>REVISION FOR ANNUAL EXAMINATION</b>	
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>	
Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:		
Combustion and Flame		



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**BIOLOGY**



MONTH	UNIT	TOPIC	SUB-TOPIC
APRIL	1	Crop Production and Management	<ul style="list-style-type: none"> <li>· Introduction</li> <li>· Agriculture and crop plants</li> <li>· Classification of crops</li> <li>· Agricultural practices</li> </ul>
MAY	1	Crop Production and Management	<ul style="list-style-type: none"> <li>· Agricultural practices (continued)</li> </ul>
JUNE	<b>PRE-MID TERM EXAMINATION</b>		
JUNE	1	Crop Production and Management	<ul style="list-style-type: none"> <li>· Improvement of crop production</li> <li>· Nitrogen cycle</li> <li>· Food from animals</li> </ul>
JULY	2	Microorganisms – Friend and Foe	<ul style="list-style-type: none"> <li>· Where are microorganisms found?</li> <li>· Types of microorganisms</li> <li>· Bacteria</li> <li>· Algae</li> <li>· Fungi</li> <li>· Protozoa</li> </ul>
AUGUST	2	Microorganisms – Friend and Foe	<ul style="list-style-type: none"> <li>· Viruses</li> <li>· Preservation of food</li> </ul>



			<ul style="list-style-type: none"> <li>Food poisoning</li> </ul>
<b>AUGUST</b>	<b>REVISION FOR HALF YEARLY EXAMINATION</b>		
<b>AUGUST - SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>		
<b>SEPTEMBER</b>	3	Conservation of Plants and Animals	<ul style="list-style-type: none"> <li>Aims of conservation</li> <li>Biodiversity</li> </ul>
<b>OCTOBER</b>	3	Conservation of Plants and Animals	<ul style="list-style-type: none"> <li>Threats to biodiversity</li> <li>Conservation of forests</li> <li>Conservation of wildlife</li> </ul>
<b>NOVEMBER</b>	4	Reproduction in Animals	<ul style="list-style-type: none"> <li>Asexual reproduction</li> <li>Sexual reproduction</li> <li>Life cycle</li> <li>Reproductive system in humans</li> </ul>
<b>NOVEMBER - DECEMBER</b>	<b>POST – MID TERM EXAMINATION</b>		
<b>DECEMBER</b>	4	Reproduction in Animals	<ul style="list-style-type: none"> <li>Reproductive system in humans (continued)</li> </ul>
<b>DECEMBER</b>	5	Reaching the Age of Adolescence	<ul style="list-style-type: none"> <li>Endocrine system</li> <li>Adolescence and Puberty</li> <li>Menstrual cycle</li> </ul>





<b>JANUARY</b>	5	Reaching the Age of Adolescence	<ul style="list-style-type: none"><li>· Determining sex of a baby</li><li>· Reproductive health</li><li>· Myths and taboos</li><li>· Say no to drugs</li></ul>
<b>JANUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>		
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>		
<b>Topics from Term 1 Syllabus covered before Half Yearly Examination to be included in the Annual Examination</b>			
<b>Microorganisms: Friend and Foe</b>			



## MATHEMATICS

MONTH	CHAPTER	SUB TOPIC
APRIL	RATIONAL NUMBERS	<ol style="list-style-type: none"> <li>1) Properties</li> <li>2) Representation on a number line</li> <li>3) Four operations</li> <li>4) Applications</li> </ol>
	LINEAR EQUATION IN ONE VARIABLE	<ol style="list-style-type: none"> <li>1) Solving Equations which have Linear Expression on one sides and the numbers on the other side and its application.</li> <li>2) Solving Equations which have Linear Expression on both sides and its application.</li> <li>3) Reducing Equations to Simpler form.</li> <li>4) Equation Reducible to Linear form.</li> </ol>
MAY	Understanding Quadrilateral	<ol style="list-style-type: none"> <li>1) Definition and classification of polygons</li> <li>2) Angle sum property of Quadrilaterals</li> <li>3) Sum of interior and exterior angles of a polygon.</li> <li>4) Kinds of Quadrilaterals</li> <li>5) Some specials parallelograms</li> </ol>
JUNE	<b>PRE MID TERM EXAMINATION</b>	
JUNE	DATA HANDLING	<ol style="list-style-type: none"> <li>1. Frequency distribution table</li> <li>2. Histogram</li> <li>3. Pie Chart</li> <li>4. Probability</li> </ol>



	<p>Square and Square Root</p>	<p>1) Perfect squares and its properties. 2) Pythagorean Triplet 3) Square roots by prime factorisation and long division method</p>
<p><b>JULY</b></p>	<p>Cubes and Cube roots</p>	<p>1. Finding out cube root of a number by prime factorisation method</p>
	<p>Comparing Quantities</p>	<p>1. Percentage 2. Profit and Loss 3. Discount 4. Sales Tax 5. To find Compound Interest 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</p>
<p><b>AUGUST</b></p>	<p>Algebraic Expressions and Identities</p>	<p>1. Fundamental Operations on algebraic expressions 2. Fundamental Identities</p>
<p><b>AUGUST</b></p>	<p><b>REVISION FOR HALF YEARLY EXAMINATION</b></p>	
<p><b>AUGUST- SEPTEMBER</b></p>	<p><b>HALF YEARLY EXAMINATION</b></p>	



<b>SEPTEMBER</b>	Mensuration	<ol style="list-style-type: none"> <li>1) Area of Trapeziums and Polygons</li> <li>2) Volume and Surface Area of             <ol style="list-style-type: none"> <li>a. Cube and Cuboid</li> <li>b. Right Circular Cylinder</li> </ol> </li> </ol>
<b>OCTOBER</b>	Exponents and powers	<ol style="list-style-type: none"> <li>1. Laws and its applications</li> <li>2. Standard form</li> </ol>
<b>NOVEMBER</b>	Direct and Inverse Proportions	<ol style="list-style-type: none"> <li>1) Direct Proportion</li> <li>2) Inverse Proportion</li> <li>3) Problems on Time and Work.</li> </ol>
<b>NOVEMBER-DECEMBER</b>	<b>POST MID TERM EXAMINATION</b>	
<b>DECEMBER</b>	Factorization	<ol style="list-style-type: none"> <li>1. Taking Common</li> <li>2. Grouping and Taking Common</li> <li>3. Using Identities</li> <li>4. Middle Term Factorisation</li> </ol>
<b>JANUARY</b>	Introduction to Graphs	<ol style="list-style-type: none"> <li>1. Difference between Line graph and Linear Graph.</li> <li>2. Basic concept of coordinate axes and the Quadrants and the sign convention related to it.</li> <li>3. Plotting of points.</li> <li>4. Linear Graphs and line graphs.</li> </ol>
<b>JANUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>	



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<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>
<b>Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:</b>	
<b>Algebraic Expressions and Identities</b>	
<b>Linear Equation In One Variable</b>	
<b>Square and Square Roots</b>	
<b>Data Handling</b>	





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**GEOGRAPHY**

MONTH	CHAPTER	SUB-TOPIC
APRIL	Types of Resources	Concept of Resources Classification of Resources Conservation of Resources Sustainable Development
	Human Resources	Distribution of Population
MAY	Human Resources	Factors affecting Population Distribution
JUNE	<b>PRE MID TERM EXAMINATION</b>	
JUNE	Human Resources	Components of Population Change Population Composition
	Natural Resources: Land, Soil and Water Resources	Land - Its Importance Land Use Conservation of Land
JULY	Natural Resources: Land, Soil and Water Resources	Soil Profile Soil characteristics and formation Types of Soil in India Soil Erosion and Conservation Water Resources of India Water pollution and Conservation



<b>AUGUST</b>	Natural Resources: Natural Vegetation and Wildlife	Distribution of Natural Vegetation and Wildlife Importance of Forests Need for conservation of Wildlife
<b>AUGUST</b>	<b>REVISION FOR HALF YEARLY EXAMINATION</b>	
<b>AUGUST- SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>	
<b>SEPTEMBER</b>	Agricultural Practices	Factors influencing Agriculture Types of farming
<b>OCTOBER</b>	Major Crops: Case Studies	Major Crops: Food Crops, Cash Crops, Beverages, Fibre Crops Agricultural Development: Case Study: A farm in India
<b>NOVEMBER</b>	Manufacturing	Adding value to Resources Importance of Industries Classification: of Industries
<b>NOVEMBER- DECEMBER</b>	<b>POST MID TERM EXAMINATION</b>	
<b>DECEMBER</b>	Manufacturing	Factors influencing Location of Industries Distribution of Major industries
<b>JANUARY</b>	Industries: Comparative Case Studies	Case Study: Iron and Steel Industry in Jamshedpur and Detroit Case Study: IT Industry in Bangalore and Silicon Valley
<b>JANUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>	
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>	



<p><b>N.B.</b></p>	<p>Mineral and Power Resources Rationalised by NCERT and will not be assessed. However, it will be a part of activity based learning.</p>
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**Topics from Term I syllabus covered before HY Exam to be included in the Annual Exam**

<p><b>Resources</b></p>
<p><b>Human Resources</b></p>



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**HISTORY**

<b>MONTH</b>	<b>CHAPTER</b>	<b>SUBTOPIC</b>
<b>APRIL</b>	The Indian Constitution and its Legal Framework	Significance of a Constitution
		The Constitution of India
		The Importance of Laws
		Laws and Dissent
<b>APRIL</b>	From Trade to Territory	Mercantilism and the expansion of European trade
		European Trading companies in India
		The struggle for power
<b>MAY</b>	From Trade to Territory	The British Conquest of Bengal
		Expansion Of the British Empire
		Administrative structure under the British
<b>PRE MID TERM EXAMINATION</b>		
<b>JUNE</b>	History-When, Where and How	British Periodisation of Indian History
		Colonisation of India
		India under Colonial rule: Major developments



		Sources of Modern Indian History
<b>JUNE</b>	Colonial Agrarian Policies	Changes in the rural set-up
		Ijaradari system
		Permanent settlement
		Ryotwari Settlement
		Mahalwari Settlement
<b>JUNE</b>	Tribal Societies and the Colonial State	Lifestyles in the 19 <sup>th</sup> century
<b>JULY</b>	The Revolt of 1857	When Does a Revolt Occur?
		Causes of the Revolt of 1857
		Outbreak of the Revolt
		The Spread of the Revolt
		Suppression of the Revolt
		Why did the Revolt Fail?
<b>JULY</b>	Secular Vision of The Indian Constitution	Secularism and The Indian Constitution
		Fundamental Rights
		Fundamental Duties
<b>JULY</b>	Role of Parliament and Law	Democracy in India
	Making in India	Indian Parliament





		Composition of The Legislature
		Composition of The Executive
<b>AUGUST</b>	Role of Parliament and Law Making in India	Debate on the real powers of the President: A Case Study
		Accountability of the Government
		Law Making in India
		The Procedure of Law Making in India
		How New Laws are Formulated
<b>AUGUST</b>	<b>REVISION FOR HALF YEARLY EXAMINATION</b>	
<b>SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>	
<b>OCTOBER</b>	The Judiciary	Functions of Judiciary
		Need for an Independent and impartial Judiciary
		Structure of courts in India
<b>OCTOBER</b>	Women Caste and Reform	Women in the 18 <sup>th</sup> Century
		Changes in Position of Women
		Efforts to change Women's Lives
		Reforming the Caste system
		Major Reformers



		Mahatma Gandhi's Contribution to Social Reform
<b>NOVEMBER</b>	Marginalised groups and Social Justice	Defining Marginalisation
		Schedule castes and tribes
		Implementation of the Constitutional provisions
		Specific laws protecting the Rights of Schedule castes and Tribes
<b>NOVEMBER</b>	Government and Economic Development	Government's Efforts to Provide Public Facilities.
		NITI Aayog
<b>NOVEMBER</b>	<b>POST MID TERM EXAMINATION</b>	
<b>DECEMBER</b>	Colonial Education and its impact	Pre-colonial Education in India
		Institutionalisation of Education during the colonial rule
		The Originalist versus The Anglicist
		Wood's Despatch
		Impact of Colonial Education Policies
		Indian Reformers and Education
		Case Studies: Aligarh and Baroda
<b>DECEMBER/ JANUARY</b>	Indian National Movement and Independence	Precursors of The Indian National Congress
		The Congress in its Early Years: Moderates and Radicals



	Early Stage of the National Movement
	Mass Phase of the Indian National Movement
	Case Study of the Khilafat and The Non-Cooperation Movement
	Civil Disobedience Movement
	Approaching the end of the Raj
	Awakening to Freedom
<b>FEBRUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>
	<b>ANNUAL EXAMINATION</b>

**Topics from Term I syllabus covered before HY Exam to be included in the Annual Exam.**

<b>History</b>	<b>Civics</b>
<b>The Revolt of 1857</b>	<b>The Indian Constitution and its Legal Framework</b>



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**COMPUTER**



MONTH	UNIT	TOPIC	SUB- TOPIC
APRIL	1	Creating planes for 3d Models	Creating a plane
	2	Designing 3D objects	Drawing Walls.
MAY	2	Designing 3D objects	Drawing Stairs.
JUNE	<b>PRE-MID-TERM EXAMINATION</b>		
JUNE	3	Working with 3D models	Adding Text and Colour Downloading Models.
	4	Creating my first video	Getting started with video editing, Developing movie projects, Exporting a movie into .wmv format.
	5	Creating a Documentary	Modifying a Video, Making the Video Presentable.
JULY	6	Applying special effects.	Visual and audio effects, Adding text to video
	7	New trends on the internet	Interacting on the Internet, Taking the Internet with You.



	8.	Programming with C++	Recap of C++ Level 1
<b>AUGUST</b>	8	Programming with C++	Accepting user inputs Choosing operations Using user – defined functions, Creating arrays
	9	Beginning with OOPS	Creating Class
<b>AUGUST</b>	<b>REVISION FOR HALF YEARLY EXAMINATION</b>		
<b>AUGUST – SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>		
<b>SEPTEMBER</b>	10	Inheritance and Function Overloading	Implementing inheritance Implementing function overloading.
<b>OCTOBER</b>	11	Using the C++ library	Using library functions.
<b>NOVEMBER</b>	---	Java – a cup of coffee (basic Java awareness)	Introduction to oops Concepts Program Creation and Execution.
<b>NOVEMBER-DECEMBER</b>	<b>POST-MID-TERM EXAMINATION</b>		
<b>DECEMBER</b>	---	Storing and operating on data (basic java awareness)	Variables and Data Types Types of Operators
	1	Artificial intelligence	Introduction to AI





<b>JANUARY</b>		– Excite	Human and machine interactions: AI based games (based on different AI domains) Three domains of AI.
	2	Artificial intelligence – Relate	Applications of AI in daily lives Smart Homes and Human – Machine Interactions.
<b>JANUARY</b>	<b>REVISION FOR ANNUAL EXAMINATION</b>		
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>		

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:**

- I. New Trends on the Internet**
- II. Programming with C++**



**GENERAL KNOWLEDGE AND VALUE EDUCATION**

<b>MONTH</b>	<b>GENERAL KNOWLEDGE</b>	<b>VALUE EDUCATION</b>
<b>APRIL</b>	Nature	A Gift from God The Real King
<b>MAY</b>	India	Charity of a Tree Kindness Repaid
<b>JUNE</b>	Around the World	Jenny The Gold Necklace
<b>JULY</b>	Language	Tit for Tat Bhishma's Vow
<b>AUGUST</b>	Science Current Affairs	
<b>AUGUST</b>	<b>HALF YEARLY EXAMINATION</b>	
<b>SEPTEMBER</b>	<b>HALF YEARLY EXAMINATION</b>	
<b>SEPTEMBER</b>	Sports	Laughter is the Best Medicine Socrates
<b>OCTOBER</b>	Entertainment	Patience Sadhu's Anger
<b>NOVEMBER</b>	Life Skills	Pride Humility
<b>DECEMBER</b>	Open the Bag of Fun	Junn One Lesson
<b>JANUARY</b>	Current Affairs	
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>	