

SANT ATULANAND RESIDENTIAL ACADEMY

Parmanandpur, Holapur, Varanasi



Syllabus for the Session 2018 – 2019

Class IX to XII

(Senior Secondary)

Affiliated to C.B.S.E.

Affiliation No.- 2130841

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Class – IX

1. हिन्दी

- निर्धारित पुस्तकों के नाम-
1. क्षितिज
 2. कृतिका
 3. व्याकरण

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods				
				UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	गद्य पाठ- दो बैलों की कथा	6	✓	✓		✓
April	25	गद्य पाठ- ल्हासा की ओर	25	✓	✓		
		पद्य पाठ- ललद्यद		✓	✓		
		व्याकरण- शब्द-निर्माण उपसर्ग व प्रत्यय		✓	✓	✓	✓
May	12	पद्य पाठ- रसखान कबीर	12	✓			
June	6	व्याकरण- पत्र लेखन	6		✓	✓	✓
July	26	गद्य पाठ- साँवले सपनों की याद	26		✓		
		पद्य पाठ- माखन लाल चतुर्वेदी		✓			
		व्याकरण- समास			✓	✓	✓
Aug.	26	कृतिका- मेरे संग की औरतें	26		✓		
		व्याकरण- अलंकार			✓		
		गद्य पाठ- नाना साहब की पुत्री मैना को भस्म कर दिया गया			✓		
Sept.	11	गद्य पाठ- प्रेमचन्द के फटे जूते	11		✓		

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	पद्य पाठ- केदारनाथ अग्रवाल	22			✓	✓
		गद्य पाठ- मेरे बचपन के दिन				✓	✓
		व्याकरण- अर्थ के आधार पर वाक्य-भेद					✓
Nov.	20	पद्य खण्ड- सर्वेश्वर दयाल सक्सेना चन्द्रकान्त देवताले	20			✓	✓
		व्याकरण- संवाद-लेखन					✓
		कृतिका- रीढ़ की हड्डी					✓
Dec.	21	पद्य खण्ड- राजेश जोशी	21				✓
		व्याकरण- निबन्ध-लेखन					✓
		कृतिका- माटी वाली					✓
Jan.	20	सम्पूर्ण पाठ्यक्रम पुनरावृत्ति कार्य	20				✓
Feb.	8	पुनरावृत्ति	8				



2. ENGLISH

Prescribed Book:

1. **Beehive** (Textbook)
2. **Moments** (Supplementary)

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	<i>Grammar:</i> Determiners	6				
April	25	<i>Beehive:</i> 1. The Fun They Had	25				
		2. The Sound of Music					
		<i>Grammar:</i> Tense					
		<i>Writing:</i> Article					
May	12	<i>Poetry:</i> 1. The Road not taken	12				
		2. Wind					
		<i>Writing:</i> 1. Diary Entry					
June	6	REVISION	6				
		<i>Poetry:</i> 1. Rain on the roof					
July	26	<i>Moments:</i> 1. The Lost Child	26	UT-I (MM-20)			
		2. The Adventures of Toto					
		<i>Grammar:</i> 1. Voice					
		2. Modals					
		<i>Writing:</i> 1. Letter for Inquiry					
Aug.	26	<i>Beehive:</i> 1. The Little Girl	26				
		2. The Lake Isle of Innisfree					
		<i>Moments:</i> 2. Iswaran : The storyteller					
		3. In the Kingdom of fools					
		4. The Happy Prince					
		<i>Grammar:</i> 1. Subject-Verb Concord					
		<i>Writing:</i> 2. Letter to Editor					
		3. Story Writing					

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Sept.	11	<i>Beehive:</i> 1. A Truly Beautiful Mind	11		HLY (MM-80)		
		2. The Snake & the Mirror					
		3. My Childhood					
		<i>Poetry:</i> 4. A Legend of the Northland					
		REVISION					
Oct.	22	<i>Beehive:</i> 1. Packing	22				
		2. Reach for the Top					
		<i>Poetry:</i> 3. No men are Foreign					
		4. The Duck and the Kangaroo					
		<i>Moments:</i> 5. Weathering the storm in Ersama					
		6. The Last Leaf					
Nov.	20	<i>Grammar:</i> 1. Narration	20				
		<i>Writing:</i> 2. Placing Order					
		<i>Beehive:</i> 1. The Bond of Love					
		<i>Poetry:</i> 2. On killing a Tree					
Dec.	21	<i>Writing:</i> 1. Story Writing	21			UT-II (MM-20)	
		<i>Grammar:</i> 2. Preposition					
		<i>Beehive:</i> 3. Kathmandu					
		REVISION					
Jan.	20	<i>Beehive:</i> 1. If I were You	20				
		<i>Poetry:</i> 2. The Snake Trying					
		<i>Moments:</i> 3. A House is not a Home					
		4. The Accidental Tourist					
		5. The Beggar					
Feb.	8	<i>Poetry:</i> 1. A slumber did my spirit seal	8				ANN. (MM-80)
		<i>Grammar:</i> 2. Clause					
		REVISION					



3. MATHEMATICS

Prescribed Book:

A Text Book of Mathematics
(N.C.E.R.T.)

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	Number System	9	✓	✓		✓
April	25	Number System	9	✓	✓		✓
		Polynomials	25	✓	✓		✓
May	12	Linear equation in two variable	14	✓	✓		✓
June	6	<i>Revision of chapter taught</i>					
July	26	Coordinate Geometry	8	✓	✓		✓
		Introduction to Euclid's Geometry	8		✓		✓
		Lines and Angles	18		✓		✓
Aug.	26	Triangles	20		✓		✓
		Areas (Heron's Formula)	6		✓		✓
Sept.	11	<i>Revision for Half yearly Exams</i>					
Oct.	22	Quadilaterals	10			✓	✓
		Areas	8			✓	✓
		Statistics	12			✓	✓
Nov.	20	Statistics	4			✓	✓
		Surface Area and Volume	16			✓	✓
Dec.	21	Circles	15				✓
		Probability	12				✓
Jan.	20	Construction	10				✓
		<i>Revision for Annual Exam.</i>					
Feb.	8	Revision	8				



4. SOCIAL STUDIES

Prescribed Book:

N.C.E.R.T. of History, Civics, Geography, Economics

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods				ANNUAL
				UT/PT-I	HLY/PT-2	UT/PT-II	
March	6	H- India: Size and Location	9	✓	✓		
April	25	H- The French Revolution	20	✓	✓		
		E- The Story of the Village Palampur	16	✓	✓		
May	12	C- Democracy in the Contemporary World	18	✓	✓		
June	6	C- What is Democracy? Why Democracy?	8		✓		
July	26	H- Socialism in Europe and Russian Revolution	20		✓		
		G- Physical Features of India	18		✓		
Aug.	26	E- People as Resources	10		✓		
		G- Drainage	10		✓		
		C- Constitutional Design	8		✓		
Sept.	11	Revision + Half Yearly Exam.	-				
Oct.	22	H- Nazism and the Rise of Hitler	12			✓	✓
		G- Climate	12			✓	✓
		C- Electoral Politics	8			✓	✓
Nov.	20	E- Poverty as A Challenge	14			✓	✓
		G- Natural Vegetation and Wildlife	14				✓
Dec.	21	C- Working Institution	13				✓
		G- Population	12				✓
		E- Food Security in India	12				✓
Jan.	20	C- Democratic Rights	14				✓
		H- Forest Society and Colonialism	20				✓
Feb.	8	Revision + Annual Exam.					

5. SCIENCE

Prescribed Book:

N.C.E.R.T. Book

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Improvement in food resources	3	✓	✓		✓
		* Motion in straight line					
		* Matter in our surrounding					
April	25	* Improvement in food resources	13		✓		✓
		* Motion in straight line					
		* Matter in our surrounding					
May	12	* The fundamental unit of life cell	6		✓		✓
		* Motion in straight line					
		* Is matter around us pure ?					
June	6	* The fundamental unit of life cell	3		✓		✓
		* Newton's Laws of motion					
		* Is matter around us pure ?					
July	26	* Tissue	14		✓		✓
		* Newton's Laws of motion					
		* Is matter around us pure ?					
Aug.	26	* Tissue	14		✓		✓
		* Gravitation					
		* Atoms and Molecules					
Sept.	11	Revision (Bio)	5		✓		✓
		* Gravitation					
		Revision					
		* Atoms and Molecules					
		Revision					

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	* Diversity in living organism	10				✓
		* Thrust and pressure					
		* Structure of atom					
Nov.	20	* Diversity in living organism +	11			✓	✓
		* Health and disease					
		* Thrust and pressure +					
		* Work					
		* Structure of atom					
Dec.	21	* Health and disease	12				✓
		* Power and energy +					
		* Sound					
		* Structure of atom					
Jan.	20	* Natural resources +	11				✓
		Revision					
		* Sound +					
		Revision					
		* Structure of atom +					
		Revision					
Feb.	8	Revision + Annual Exam.	5				

Laboratory Skills

TERM - I

1. To prepare:
 - a. The true solution of common salt and alum
 - b. Suspension of soil and chalk powder
2. To carry out the following chemical reaction and classify them as physical and chemical changes:
 - a. Iron with copper sulphate soln. in water
 - b. Burning of Mg in air
 - c. Zinc with dil. H_2SO_4
3. To prepare stained temporary mounts of onion peel
4. To identify parenchyma and sclerenchyma tissues in plants
5. To separate the component of mixture of sand, common salt and ammonium chloride by sublimation.
6. To study the third law of motion using two spring balances.
7. To determine the mass percentage of water imbibed by raisin.

TERM - II

8. To determine the density of solid by using spring balance and measuring cylinder.
9. To establish the relation between loss in weight of a solid when fully immersed in:
 - a. Tap water
 - b. Strong salty waterwith the weight of liquid displaced by it by taking at least two different solids.
10. To compare the pressure exerted by iron cuboid on sand/wheat flour while resting on its three different faces.
11. To study the characteristics of Spirogyra and Fern.
12. To observe and study the given specimens earthworm, cockroach, bony fish.

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Aug.	26	लौहतुला, सिकतासेतुः	26		✓	✓	✓
		व्यंजनसन्धिः – त् स्थान ल्					
		– र् पूर्वस्य रेफस्य लोपः					
		– दीर्घत्वञ्च					
		संख्या-एकतः चतुर्पर्यन्तं त्रिषुलिङ्गेषु शब्दरूपम् अस्, पठ्, भू पञ्चलकारेषु धातुरूपम्					
Sept.	11	वर्ण, उच्चारणस्थानम्, स्वर सन्धिः	11		✓		
		व्यंजन सन्धिः च आद्योपान्तम् पुनः					
		अवलोकनम् अर्द्धवार्षिक परीक्षा					
Oct.	22	जटायोः शौर्यम्, पर्यावरणम्	22		✓		✓
		विसर्गसन्धिः – विसर्गस्य उत्वं रत्वं च					
		आत्मने पदे- सेव्, लभ् लट् लृट् लकारयोः धातुरूपम्					
		उपपदविभक्तेः द्वितीया तृतीया चतुर्थी च					
		विभक्तीनाम् पठनम्					
Nov.	20	वाङ्मनः प्राणस्वरूपम्	20		✓		✓
		उपपदविभक्तेः पञ्चमी, षष्ठी, सप्तमी च					
		विभक्तीनाम् प्रयोगः					
		प्रत्ययः – क्त्वा, तुमुन्, ल्यप्					
Dec.	21	उपसर्गानाम् अवबोधनम्	21				
		22 उपसर्गानाम् प्रयोगः					
		वाक्य निर्माणम् च					
		पुनरावृत्तिः					
Jan.	20	पुनरावृत्तिः	20				
Feb.	8	पुनरावृत्तिः	8				

7. COMPUTER APPLICATION

Prescribed Book:

N.C.E.R.T. Book

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	1. Computer System	6	✓	✓	✓	✓
April	25	2. Types of Hardware	25	✓	✓	✓	✓
		3. Types of Software					
		4. Basics of Operating System					
May	12	4. Basics of Operating System	12	✓	✓	✓	✓
		I- Basics of Information Technology (<i>Suppli. Book</i>)					
June	6	5. Working with Operating System	6		✓	✓	✓
July	26	6. Open Office Org. Writer - I	26		✓	✓	✓
		Revision + Unit - I					
Aug.	26	7. Open Office Org. Writer - II	26		✓	✓	✓
		8. IT Applications					
		II. Cyber Safety					
Sept.	11	Revision + Half Yearly Exam.	11				✓
Oct.	22	9. Basics of Information Technology	22				✓
		10. Presentation Tool : OO Impress					
		IV. Introducing Python (<i>Suppli. Book</i>)					
Nov.	20	11. Spreadsheet Tool : OO Calc-I	20				✓
		12. Spreadsheet Tool : OO Calc-II					
Dec.	21	13. Word Processing Tool: Advanced Features	21				✓
		14. IT Applications					
Jan.	20	15. Social Impact of IT + Revision	20				✓
Feb.	8	Revision + Annual Exam.	8				✓



Class – X

1. हिन्दी

निर्धारित पुस्तकों के नाम- 1. क्षितिज - 2

2. कृतिका - 2

3. व्याकरण

	MM
UT/PT-I	20
HLX/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods				
				UT/PT-I	HLX/PT-2	UT/PT-II	ANNUAL
March	6	1. नेताजी का चश्मा	6	✓	✓		✓
April	25	1. पद (सूरदास)	25	✓	✓		✓
		2. बालगोबिन भगत		✓	✓		✓
		3. राम लक्ष्मण-परशुराम संवाद			✓		✓
		4. वाक्य भेद (रचना के आधार पर)		✓	✓		✓
May	12	1. वाच्य	12	✓	✓		✓
		2. माता का अँचल			✓		✓
June	6	1. लखनवी अंदाज	6		✓		✓
July	26	1. अपठित गद्यांश	26		✓		✓
		2. अपठित काव्यांश			✓		✓
		3. उत्साह, अट नहीं रही है			✓		✓
		4. जार्ज पंचम की नाक			✓		✓
		5. पद-परिचय			✓	✓	✓
Aug.	26	1. निबन्ध लेखन	26		✓		✓
		2. पत्र लेखन			✓		✓
		3. विज्ञापन लेखन			✓		✓
		4. रस			✓		✓
		5. मानवीय करुणा की दिव्य चमक			✓	✓	✓

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	पुनरावृत्ति	22				
Nov.	20	1. यह दंतुरित मुस्कान, फसल	20			✓	✓
		2. एक कहानी यह भी				✓	✓
		3. छाया मत छूना					✓
		4. कन्यादान					✓
Dec.	21	1. साना-साना हाथ जोड़ि	21				✓
		2. संगतकार					✓
		3. नौबतखाने में इबादत					✓
Jan.	20	1. पुनरावृत्ति	20				✓
		2. U.T.- III					✓
Feb.	8	1. Pre-Board	8				✓

प्रयोगात्मक कार्य—

यशपाल द्वारा लिखित पाठ 'लखनवी अंदाज' के आधार पर स्वयं द्वारा की गयी किसी यात्रा के दौरान घटी किसी रोचक घटना का वर्णन कीजिए।



2. ENGLISH

Prescribed Book:

1. Literature Reader (Communicative)

by C.B.S.E.

2. The Story of My Life (Novel)

Exam.	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	<i>Fiction:</i> Two Gentlemen of Verona	6	✓	✓	-	✓
		<i>Grammar:</i> Determiners					
April	25	<i>Poem:</i> The Frog & the Nightingale	25	✓	✓	-	✓
		<i>Fiction:</i> Mrs. Packletide's Tiger					
		<i>Poem:</i> Mirror					
		<i>Grammar:</i> Tense					
May	12	<i>Grammar:</i> Tense (continue)	12	✓	✓	-	✓
		Letter Writing					
		(Editor/Enquiry)					
June	6	<i>Grammar:</i> Subject-Verb Concord	6	✓	✓	-	✓
July	26	<i>Poem:</i> Not marble, Nor the Guided monuments	26	✓	✓	-	✓
		<i>Fiction:</i> The Letter					
		<i>Grammar:</i> Voice, Conjunction					
		Conditionals					
		PT-I will be conducted.					
Aug.	26	<i>Drama:</i> The Dear Departed	26	-	-	✓	✓
		<i>Grammar:</i> Voice (continue)					
		Story Writing					
		<i>Novel:</i> The Story of My Life (1-6)					
Sept.	11	<i>Novel:</i> The Story of My Life (1-14)	11	-	✓	-	✓
		Revision + H.Y. Exam.					

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	<i>Fiction:</i> A Shady Plot	22	-	-	✓	✓
		<i>Poem:</i> Ozymandias					
		<i>Grammar:</i> Clause					
		Preposition					
Nov.	20	<i>Fiction:</i> Patol Babu	20	-	-	✓	✓
		Film Star					
		<i>Poem:</i> The Rime of the Ancient					
		Mariner					
		<i>Grammar:</i> Narration					
Modals							
Dec.	21	<i>Fiction:</i> Virtually True	21	-	-	✓	✓
		<i>Poem:</i> Snake					
		<i>Grammar:</i> Transformation					
		PT-2 will be conducted.					
Jan.	20	<i>Drama:</i> Julius Caesar	20	-	-	-	✓
		<i>Novel:</i> The Story of My Life (15-25)					
		Preboard will be conducted.					
Feb.	8	Revision	8	-	-	-	✓
		Annual Exam.					



3. MATHEMATICS

Prescribed Book:

A Text Book of Mathematics
(N.C.E.R.T.)

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	Real Number	9	✓	✓		
April	25	Real Number	6	✓	✓		
		Polynomial	10	✓	✓		
		Pair of Linear equation in two variables	20	✓	✓		
May	12	Trigonometry Identities	15	✓	✓		
June	6	Revision of previous chapter					
July	26	Arithmetic Progressions	12		✓		
		Quadratic Equations	15		✓		
		Triangle	8		✓		
Aug.	26	Triangle	12		✓		
		Co-ordinate Geometry	14		✓		
Sept.	11	Revision for Half yearly Exams	-				
Oct.	22	Circle	10			✓	
		Area Related to Circle	16			✓	
		Heights and Distance	4			✓	
Nov.	20	Heights and Distance	4			✓	
		Probability	8			✓	
		Surface Area and Volumes	16				
Dec.	21	Statistics	20				
		Construction	10				
Jan.	20	Revision					
Feb.	8	Revision					

4. SOCIAL STUDIES

Prescribed Book:

N.C.E.R.T. of History, Civics, Geography, Economics

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Resources and Development	9	✓	✓		
April	25	* The Rise of Natinalism in Europe	20	✓	✓		
		* Power Sharing	10	✓	✓		
		* Development	8	✓	✓		
May	12	* Water Resources	8		✓		
		* Federalism	8		✓		
June	6	* Nationalism in India	9		✓		
July	26	* Nationalism in India	20		✓		
		* Democracy and Diversity	10		✓		
		* Sector of Indian Economy : Agriculture	10		✓		
Aug.	26	* Minerals and Energy Resources	20		✓		
		* Gender, Religion and Caste	10		✓		
		* Money & Credit: Role of Money in Economy	10		✓		
Sept.	11	* Political Parties	9			✓	
		REVISION				✓	
Oct.	22	* Manufacturing Industries	8			✓	
		* Work Life and Lesiure	8			✓	
		* Outcome of Democracy	8			✓	
		* Globalisation & the Indian Economy	8				
Nov.	20	* Novels, Society and History	10				
		* Lifeline of National Economy	10				
		* Challenges of Democracy	10				
		* Consumer Rights					
Dec.	21	REVISION and Pre-Board					

5. SCIENCE

Prescribed Book:

N.C.E.R.T. Book

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Life Process- Nutrition, Respiration	3	✓	✓		✓
		* Electricity					
		* Chemical Reaction and Equations					
April	25	* Life Process - Respiration	13		✓		✓
		* Electricity					
		* Chemical Reaction and Equations					
May	12	* Life Process - Transportation	6		✓		✓
		* Electricity/Magnetic effect of Current					
		* Chemical Reaction and Equation +					
		* Acid, Bases and Salt					
June	6	* Life Process - Transportation and Excretion	3		✓		✓
		* Magnetic effect of Current					
		* Acid, Bases and Salt					
July	26	* Control and Coordination	14		✓		✓
		* Magnetic effect of Current					
		* Salt					
		* Metal and non-metal					
Aug.	26	* Control and Coordination	14		✓		✓
		* Source of Energy					
		* Metal and non-metal					



Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Sept.	11	* Bio (Lesson 1 & 2) REVISION	5		✓		✓
		* Source of Energy					
		REVISION					
		* Carbon and its compounds					
Oct.	22	* Reproduction and Heridity and Evolution	10			✓	✓
		* Reflection of Light					
		* Carbon and its Compunds					
		* Classification of Periodic Table					
Nov.	20	* Our Invironment and Resources Management	11				✓
		* Refraction of Light,					
		* Human Eye and Colourful World					
		* Classification of Periodic Table					
Dec.	21	REVISION + UT-2	12				
Jan.	20	REVISION + PRE BOARD	11				
Feb.	8	REVISION + PRE BOARD	5				

Laboratory Skills

TERM - I

1. To find the pH of the following:
 - a. Dilute HCl
 - b. Dilute NaOH
 - c. Dilute ethanoic acid
 - d. Dilute NaHCO₃ soln.
2. To study the properties of acids and bases (dil. HCl, dil. NaOH) by their reaction with litmus solution and zinc metal.
3. To perform and observe the following reaction:
 - a. Displacement reaction (Fe + CuSO₄)
 - b. Double displacement reaction (Na₂SO₄ + BaCl₂)



4. To observe the action of Zn, Fe, Cu and Al metals on the following:
 - a. ZnSO_4
 - b. FeSO_4
 - c. CuSO_4
 - d. $\text{Al}_2(\text{SO}_4)_3$
5. To study the dependence of current on the potential difference across a resistor and determine its resistance also plot and graph between V & I.
6. To study the dependence of potential difference across a resistor on the current passing through it and determine its resistance and verify Ohm's Law.
7. To determine the equivalent resistance of two resistors when connected in:
 - a. Parallel
 - b. Series
8. To prepare temporary mount of a leaf peel to show stomata.
9. To show experimentally that light is necessary for photo synthesis.
10. To show experimentally that carbon-di-oxide is given out during respiration.

TERM - II

11. To study the following properties of acetic acid:
 - a. Odour
 - b. Effect on litmus paper
 - c. Reaction by NaHCO_3
12. To study the comparative cleaning capacity of sample of soap in soft and hard water.
13. To determine the focal length of:
 - a. Concave mirror
 - b. Convex lens By obtaining the image of distant object.
14. To trace the path of rays of light through a rectangular glass slab for different angle of incidence. Measure the angle of refraction, angle of emergence and interpret the result.
15. Trace the path of light through glass prism.
16. To draw the image of an object formed by a convex lens when placed at different distances.
17. To study:
 - a. Binary fission in Amoeba
 - b. Budding in Yeast with the help of prepared slides.

6. संस्कृत

निर्धारित पुस्तकों के नाम-

मणिका

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	वाङ्मयं तपः	6	✓	✓		✓
		वर्ण परिचयः					
		उच्चारण स्थानम् च					
April	25	आज्ञा गुरुणां हि अविचारणीया	25	✓	✓		✓
		किं किम् उपादेयम्					
		स्वरसन्धि- दीर्घ, गुण, वृद्धि, अयादि, यण्					
		पूर्वरूप सन्धि					
		अकारान्त पुल्लिङ्ग शब्दरूप					
May	12	नास्ति त्यागसमं सुखम्	12		✓		✓
		धातुरूप - 5 लकार					
		अभ्यास कार्यम् च					
June	6	अभ्यासवशगं मनः	6		✓		✓
		अभ्यास कार्यम् च					
July	26	साधुवृत्तिं समाचरेत्	26		✓	✓	✓
		रमणीया हि सृष्टिः एषा					
		व्यंजन सन्धि- परसवर्ण, छत्व, तुकागम					
		वाक्य निर्माणं, मोनूस्वारः					
		अभ्यास कार्यम् च					



Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Aug.	26	तिरुक्कुरल् – सूक्ति-सौरभम्	26		✓	✓	✓
		वर्गीय प्रथमाक्षराणां तृतीयवर्णे परिवर्तनम्					
		प्रथम वर्णस्य पञ्चमवर्णे परिवर्तनम्					
		विसर्ग सन्धि- विसर्गस्य उत्त्वम् रत्वम्					
		विसर्गलोपम्					
		अभ्यास कार्यम् च					
Sept.	11	विसर्गस्थाने श् ष् स्	11				✓
		शब्दरूप अभ्यास कार्यम् च					
		धातुरूप + अर्द्धवार्षिक परीक्षा					
Oct.	22	राष्ट्रं संरक्ष्यमेव हि	22		✓	✓	✓
		सुस्वागतं भो! अरुणाचलेऽस्मिन्					
		समास- तत्पुरुष- विभक्तिः नस् उपपद					
		कर्मधारय, द्विगु, द्वन्द्व, बहुब्रीहि,					
		समानाधिकरण, अव्ययीभाव (अनु, उपस, सह, निर्, प्रति यथा)					
Nov.	20	कालोऽहम्	20				✓
		प्रत्ययाः- कृदनत- तव्यत्, अनीयर,					
		शतृ शानच्					
		तद्वित- मतुप्, इन्, ठक्, त्व, तल्					
		स्त्री प्रत्यय- टाप्, डीप्					
Dec.	21	वाच्यपरिवर्तनम् – केवल लट् लकारे (कर्तृ-कर्म-क्रिया)	21				✓
		समयः- अंकानां स्थाने शब्देषु					
		समय लेखनम् (सामान्य-सपाद-सार्ध-पादान)					
Jan.	20	पुनरावृत्ति	20				
Feb.	8	पुनरावृत्ति	8				

7. F.I.T.

Prescribed Book:

N.C.E.R.T. Book

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	1. Introduction Internet	6	✓	✓		✓
April	25	1. Introduction Internet (cont.)	12	✓	✓		✓
		2. Internet and Web-services	13	✓	✓		✓
May	12	3. Database	12		✓		✓
June	6	3. Database (cont.)	6		✓		✓
July	26	4. Open Office Org. Base/ Microsoft Access	26		✓		✓
Aug.	26	5. HTML - I Basic HTML Elements	26		✓	✓	✓
Sept.	11	6. IT Applications	11			✓	✓
Oct.	22	7. HTML - II Images, Links and Tables	14			✓	✓
		8. XML - Extensible Markup Language	8				✓
Nov.	20	9. IT Applications	8				✓
		10. Societal Impacts of IT	12				✓



Class – XI

1. हिन्दी

निर्धारित पुस्तकों के नाम- 1. आरोह - 1

2. वितान - 1

3. अभिव्यक्ति एवं माध्यम

	MM
UT/PT-I	50
HL/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Months	Working Days	Chapters/Topics	Periods					
				UT/PT-I	HL/PT-2	UT/PT-II	ANNUAL	
April	15	* नमक का दारोगा (प्रेमचंद)	6	✓	✓		✓	
		* कबीर (पद)	7	✓	✓		✓	
		* अपठित गद्यांश एवं काव्यांश	4	✓	✓	✓	✓	
May	12	* मियाँ नसीरुद्दीन (कृष्णा सोवती)	5	✓	✓		✓	
		* मीराबाई (पद)	7	✓	✓		✓	
		* पत्र-लेखन	4	✓	✓	✓	✓	
		* निबन्ध						
June	6	* विदाई संभाषण (बालमुकुन्द गुप्त)	6		✓		✓	
July	26	* सुमित्रानन्दन पंत (वे आँखें)	5		✓		✓	
		* भवानी प्रसाद मिश्र (घर की याद)	7		✓		✓	
		* भारतीय गायिकाओं में बेजोड़ लता मंगेशकर (कुमार गंधर्व)	6		✓		✓	
		* जनसंचार माध्यम	8		✓	✓	✓	
		* समाचार पत्रकारिता के विविध आयाम						
Aug.	26	* गलता लोहा (शेखर जोशी)	4		✓		✓	
		* स्पीति में बारिश (कृष्णनाथ)	5		✓		✓	
		* त्रिलोचन (चंपा.....चीन्हती)	4		✓		✓	
		* राजस्थान में रजत बूँदें (अनुपम मिश्र)	6		✓		✓	
		* संपादकीय, रिपोर्ट, फीचर व आलेख लेखन	7		✓	✓	✓	

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Sept.	11	पुनरावृत्ति	-			✓	✓
Oct.	22	* रजनी (मन्नू भंडारी)	7			✓	✓
		* दुष्यन्त कुमार (गजल)	8			✓	✓
		* अक्क महादेवी (वचन)	7			✓	✓
Nov.	20	* जामुन का पेड़ (कृष्ण चंदर)	6				✓
		* भारत माता (जवाहरलाल नेहरू)	6				✓
		* अवतार सिंह पाश (सबसे खतरनाक)	8				✓
Dec.	21	* आलो आंधरि (बेबी हालदार)	16				✓
		* निर्मला पुतुल (आओ मिलकर बचाएँ)	5				✓
Jan.	20	* फीचर एवं आलेख लेखन	20				✓
		सम्पूर्ण पुनरावृत्ति					
Feb.	8	पुनरावृत्ति					

परियोजना कार्य

अर्द्धवार्षिक परीक्षा

1. स्वतन्त्रता संग्राम में कवियों का योगदान
2. साहित्य एवं समाज-सुधार
3. विभिन्न रसों पर आधारित काव्य-संकलन
4. मेरी प्रिय पुस्तक :: कारण एवं समीक्षा

वार्षिक परीक्षा

1. हिन्दी साहित्य में प्रकृति-चित्रण
2. वर्तमान भारतीय समाज की मूल समस्याएँ
3. स्वतन्त्रता संग्राम में महिलाओं का योगदान
4. वीर रस के प्रसिद्ध कवि एवं उनकी कविताएँ



2. ENGLISH

Prescribed Book:

1. **Hornbill - Textbook (NCERT)**
2. **Snapshot - Supp. Reader (NCERT)**

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	<i>Hornbill:</i> The portrait of a lady	25				
		<i>Snapshot:</i> The summer of the beautiful white horse					
		<i>Writing:</i> Article writing					
		<i>Grammar:</i> Determiners, Rearrange the jumbled words, Tense					
May	12	<i>Hornbill:</i> A photograph	12				
		<i>Snapshot:</i> The Address					
		<i>Writing:</i> Formal Letter / Report Job Application / Report					
June	6	<i>Hornbill:</i> We're not afraid to die	6				
		<i>Writing:</i> Debate					
		<i>Grammar:</i> Omission					
July	26	<i>Hornbill:</i> Discovering Tut: The saga continues	26				
		<i>Snapshot:</i> Ranga's marriage					
		<i>Writing:</i> Speech writing, Notice writing, Report writing					
		<i>Grammar:</i> Editing / Voice					
Aug.	26	<i>Hornbill:</i> The Laburnum Top Landscape of the soul					
		<i>Snapshot:</i> Albert Einstein at school					
		<i>Writing:</i> Business letter					
		<i>Grammar:</i> Editing, Omission, Tense					



Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Sept.	11	<i>Hornbill:</i> The voice of the rain	11				
		<i>Snapshot:</i> Mother's Day					
		<i>Writing:</i> Short story, Letter to Editor					
Oct.	22	<i>Hornbill:</i> The Ailing Planet - The green movement's role	22				
		<i>Snapshot:</i> The ghat of the only world					
		<i>Writing:</i> Enquiry Letter					
		<i>Grammar:</i> Clause, Voice, Listening practice, Writing practice					
Nov.	20	<i>Hornbill:</i> The Browning Version The Childhood	20				
		<i>Snapshot:</i> Birth					
		<i>Writing:</i> Reoprt writing, Placing an order					
		<i>Grammar:</i> Modals, Voice					
Dec.	21	<i>Hornbill:</i> The Adventure	21				
		<i>Snapshot:</i> The Tale of Melon city					
		<i>Grammar:</i> Transformation of sentences					
		ASL- Assessment of Speaking and Listening Skill					
Jan.	20	<i>Hornbill:</i> Silk Road	20				
		<i>Snapshot:</i> REVISION					
		<i>Writing:</i> Diary Writing, Essay Writing					
Feb.	8	<i>Hornbill:</i> Father to son	8				
		<i>Grammar:</i> Transformation of sentences					



3. MATHEMATICS

Prescribed Book:

1. Mathematics (N.C.E.R.T.)
2. R.S. Aggarwal / R.D. Sharma

	MM
UT/PT-I	50
HLY/PT-2	100
UT/PT-II	50
ANNUAL	100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	Unit- I -- Set & Functions (60 period) (Mark- 29)	30				
		Ch. I- Sets (20 p)		✓	✓		✓
		Ch. II - Relations and Function (10 p)		✓	✓		✓
May	12	Ch. II - Relations and Function (10 p)	20	✓	✓		✓
		Ch. III- Trigonometric Functions (10p)		✓	✓		✓
June	6	Ch. III- Trigonometric Functions (10p)	10	✓	✓		✓
July	26	Unit- II -- Algebra (70 period) (Mark- 37)	35				
		Ch. IV- Principal of Mathematical Induction (10 p)			✓		✓
		Ch. V - Complex Numbers & Quadratic Equation (15 p)			✓		✓
		Ch. VI - Linear Inequalities (10 p)			✓		✓
		Ch. VI - Linear Inequalities (5 p)			✓		✓
Aug.	26	Ch. VII- Permutations and combinations (10 p)	35		✓		✓
		Ch. VIII- Binomial Theorem (10 p)					✓
		Ch. IX- Sequence and Series (10 p)				✓	✓
Sept.	11	Unit- III -- Coordinate Geometry (40 period) (Mark- 13)	15				
		Ch. X- Straight lines (10 p)				✓	✓
		Ch. XI - Conic Sections (5 p)					✓

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	Ch. XI - Conic Sections (15 p)	25				✓
		Ch. XII - Introduction to three dimensional geometry (10 p)					✓
Nov.	20	Unit- IV -- Calculus (30 period) (Mark- 6)	20				
		Ch. XIII- Limit and Derivatives (20 p)					✓
Dec.	21	Ch. XIII- Limit and Derivatives (10 p)	20				✓
		Unit- V -- Mathematical Reasoning (10 period) (Mark- 3)					
		Ch. XIV- Mathematical Reasoning (10 p)					✓
Jan.	20	Unit- VI -- Statistics and Probability (30 period) (Mark- 12)	20				
		Ch. XV- Statistics (15 p)					✓
		Ch. XVI- Probability (5 p)					✓
Feb.	8	Ch. XVI- Probability (10 p)	10				✓



4. PHYSICS

Prescribed Book:

N.C.E.R.T. - Vol. I & Vol. II

	MM
UT/PT-I	35+15=50
HLY/PT-2	70+30=100
UT/PT-II	35+15=50
ANNUAL	70+30=100

Months	Working Days	Chapters/Topics	Periods				
				UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	Unit I Physical World and Measurement	10	✓	✓		✓
May	12	Unit II Kinematics	20	✓	✓		✓
June	6	Unit III Laws of Motion	14	✓	✓		✓
July	26	Unit III Laws of Motion	12	✓	✓		
		Unit IV Work, Power, Energy			✓		✓
		UNIT TEST - I			✓		✓
Aug.	26	Unit V Motion of system of particles and rigid bodies	18		✓		✓
		Unit VI Gravitation	12		✓		
Sept.	11	Unit VI Gravitation				✓	✓
		Half Yearly Exam.					✓
Oct.	22	Unit VII Proportion of Bulk matter	20			✓	✓
Nov.	20	Unit VIII Thermodynamics	12			✓	✓
		Unit IX Behaviour of perfect gas & Kinetic theory of gases	8			✓	✓
Dec.	21	Unit X Mechanical waves and Ray optics				✓	✓
Jan.	20	Unit X Mechanical waves and Ray optics	34				✓
		UNIT TEST - II					
Feb.	8	Revision + Annual Exam.					

5. CHEMISTRY

Prescribed Book:

Chemistry N.C.E.R.T.

	MM
UT/PT-I	35+15=50
HLY/PT-2	70+30=100
UT/PT-II	35+15=50
ANNUAL	70+30=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Some basic concepts of chemistry	25	✓	✓		✓
		* Structure of atom					
May	12	* Structure of atom	12		✓		✓
		* Periodic classification of element					
June	6	* Periodic classification of element	6		✓		✓
July	26	* Chemical bonding	26		✓		✓
		* State of matter					
		UNIT TEST - I					
Aug.	26	* Thermodynamics	26			✓	✓
Sept.	11	* Equilibrium	11			✓	✓
		REVISION + MID TERM EXAM.					
Oct.	22	* Redox Reaction	22				✓
		* Hydrogen					
Nov.	20	* s-block	20				✓
Dec.	21	* p-block	21				✓
		UNIT TEST - II					
Jan.	20	* Hydrocarbon	20				✓
		* Environmental Chemistry					
Feb.	8	ANNUAL EXAM.					

Practicals :

(M.M. = 30)

Volumetric Analysis (<i>May, June, July</i>)	8 marks
Salt Analysis (<i>August, September, October</i>)	8 marks
Content Based Experiment (<i>November</i>)	6 marks
Project Work	4 marks
Class Record & Viva	4 marks



6. BIOLOGY

Prescribed Book:

N.C.E.R.T.

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	15	Unit-I Diversity of Living Organism	25	✓	✓		✓
		1. The living world					
		2. Biological classification					
		3. Plant kingdom					
		4. Animal kingdom					
May	12	Unit- II Structural organisation in Animals	20		✓		✓
		5. Morphology of flowering plants					
		6. Anatomy of flowering plants					
June	6	6. <i>continue</i>	10	✓	✓		✓
		7. Structural organisation in animals					
July	26	7. <i>continue</i>	38	✓	✓		✓
		Unit-III Cell: Structure & Function					
		8. Cell					
		9. Biomolecules					
		10. Cell cycle & Cell division					
Aug.	26	10. <i>continue</i>	40		✓		✓
Sept.	11	REVISION	17				



Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	Unit- IV Plant Physiology	36	✓			✓
		11. Transport in plants					
		12. Mineral nutrition					
		13. Photosynthesis in higher plants					
Nov.	20	14. Respiration in plants	30	✓			✓
		15. Plant - Growth & Development					
Dec.	21	Unit- V Human Physiology	28				✓
		16. Digestion & Absorption					
		17. Breathing & Exchange of gases					
		18. Body fluid & circulation					
Jan.	20	19. Excretory products & their elimination	39				✓
		20. Locomotion & Movement					
		21. Neural control & co-ordination					
		22. Chemical co-ordination & Integration					
Feb.	8	REVISION					



PRACTICALS (M.M. = 30)

A) List of Experiments:

1. Study & description of three locally available common flowering plants.
2. Preparation & study of T.S. of dicot & Monocot roots & stems.
3. Study of osmosis by potato osmometer.
4. Study of plasmolysis.
5. Study of distribution of stomata.
6. Comparative study of the rates of transpiration.
7. Test for the presence of sugar, starch, protein and fats.
8. Separation of plant pigments through paper chromatography.
9. Study of the rate of respiration in flower buds/leaf tissue & germinating seeds.
10. Test for presence of urea in urine.
11. Test for presence of sugar in urine.
12. Test for presence of albumin in urine.
13. Test for presence of bile salts in urine.

B) Study/Observation of the following (spotting):

1. Study of the parts of a compound microscope.
2. Study of specimens/slides/models
3. Study of virtual specimens/slides/models.
4. Study of tissues & diversity in shapes & sizes of plant & animal cells.
5. Study of mitosis.
6. Study of different modification in root, stem & leaves.
7. Study & identification of different types of inflorescence.
8. Study of imbibition.
9. Observation & comments on the experimental setup.
10. Study of human skeleton & different types of joints with the help of virtual images/models only.
11. Study of external morphology of cockroach through virtual images/models.



7. ACCOUNTANCY

Prescribed Book:

Accountancy : D.K. Goel

	MM
UT/PT-I	50
HLY/PT-2	90+10=100
UT/PT-II	50
ANNUAL	90+10=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Introduction to Accounting		✓	✓		✓
		* Basic Accounting terms		✓	✓		✓
May	12	* Basic Accounting terms		✓	✓		✓
		* Fundamental accounting assumption		✓	✓		✓
June	6	* Accounting Standards		✓	✓		✓
July	26	* Accounting Process		✓	✓		✓
		* Accounting Equation		✓	✓		✓
		* Recording of Transactions-Journal			✓		✓
Aug.	26	* Cash-Book			✓		✓
		* Subsidiary Book			✓		✓
Sept.	11	* Bank Reconciliation Statement			✓		✓
Oct.	22	* Depreciation				✓	✓
		* Provision & Reserve				✓	✓
		* Bills of Exchange				✓	✓
Nov.	20	* Bills of Exchange				✓	✓
		* Trial balance & rectification of errors				✓	✓
Dec.	21	* Financial Statement				✓	✓
		* Financial Statement with Adjustment					✓
Jan.	20	* Financial Statement with Adjustment					✓
		* Incomplete Records					✓
		* Computer in Accounting					✓
		* Tally					✓
Feb.	8	REVISION					



8. BUSINESS STUDIES

Prescribed Book:

Business Studies : Sandeep Garg

	MM
UT/PT-I	50
HLY/PT-2	90+10=100
UT/PT-II	50
ANNUAL	90+10=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	PART - A	-	✓	✓		✓
		1. Nature and purpose of Business	22	✓	✓		✓
May	12	2. Forms of Business Organisation	20	✓	✓		✓
June	6	3. Private, Public & Global Enterprises	10	✓	✓		✓
July	26	3. Private, Public & Global Enterprises	12	✓	✓		✓
		Revision for Unit Test		✓	✓		✓
Aug.	26	4. Business Services	20	✓	✓		✓
		5. Emerging Modes of Business	20		✓		✓
Sept.	11	6. Social Responsibility of Business and Business Ethics	16		✓		✓
Oct.	22	PART - B			✓		✓
		7. Sources of Business Finance	32			✓	✓
Nov.	20	8. Small Business and Enterprises	16			✓	✓
		9. Internal Trade	14			✓	✓
Dec.	21	9. Internal Trade	16				✓
		10. International Trade	14				✓
Jan.	20	10. International Trade	6				✓
		REVISION					
Feb.	8	REVISION for B.St.					

9. ECONOMICS

**Prescribed Book: NCERT
Micro Economics
Statistics**

	MM
UT/PT-I	50
HLY/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Introduction (Micro economics)	20	✓	✓	✓	✓
		* Introduction (Statistics)					
May	12	* Collection of Data	20	✓	✓	✓	✓
		* Organisation of Data					
June	6	* Consumer's Equilibrium	10	✓	✓	✓	✓
July	26	* Consumer's Equilibrium	28	✓	✓	✓	✓
		* Demand					
		* Presentation of Data					
Aug.	26	* Presentation of Data	30		✓	✓	✓
		* Measures of Central Tendency					
Sept.	11	* Producer's Behaviour	18			✓	✓
Oct.	22	* Supply	30			✓	✓
		* Measures of Dispersion Range, Q.D.					
Nov.	20	* Forms of Market	28			✓	✓
		* Simple Application of Demand & Supply					
Dec.	21	* Measures of Dispersion	30				✓
		* Mean Deviation, Standard Deviation					
		* Lorenz Curve					
Jan.	20	* Index Number	15				✓
		* Developing Project in Economics	15				
Feb.	8	REVISION					



10. HISTORY

Prescribed Book:

Themes in World History (NCERT)

	MM
UT/PT-I	50
HLY/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Introduction to World History	8	✓	✓		✓
		* Introduction to Ancient Societies	7	✓	✓		✓
May	12	* From the Beginning of Time	18	✓	✓		✓
June	6	* Early Cities	15	✓	✓		✓
July	26	* Introduction to Ancient Empires	7	✓	✓		✓
		* An Empire across three Continents	15	✓	✓		✓
Aug.	26	* Central Islamic Lands	15		✓		✓
		* Nomadic Empires	15		✓		✓
Sept.	11	REVISION + Half Yearly Examination					
Oct.	22	* Introduction to Medieval Society	7			✓	✓
		* Three Orders	15			✓	✓
Nov.	20	* Changing Cultural Traditions	15			✓	✓
		* Confrontation of Cultures	14			✓	✓
Dec.	21	* Introduction to Modern Society	7				✓
		* The Industrial Revolution	15				✓
Jan.	20	* Displacing Indigenous People	15				✓
		* Paths to Modernization	15				✓
Feb.	8	REVISION + Annual Examination					

Topics for Projects

1. Anthropological research on Darwin's Theory.
2. Critique of the industrialization in Britain
3. Relations and impacts of past crusades
4. Making and unmaking of Mesopotamia
5. Paradigms of Greco-Roman civilization
6. Aspirations of women in Renaissance Period
7. Paths to Modernization in Japan / China
8. An exploratory study into Humanism
9. Piecing together the past of Genghis Khan
10. An in depth study into 'Now and then' paradigm of Christianity
11. An exploratory study into the realism and the transmission of humanistic ideas
12. Scientific revolution and the origins of modern science
13. An exploratory study into the making of America
14. Myriad realms of Slavery in ancient, medieval and modern world
15. Learning about global Sufism
16. History of aborigines - America / Australia

Note:

- 1) Any two themes are to be attempted:- one for term-1 and second for term-2.
- 2) Project -1 to be done in summer vacation and Project -2 in Winter vacation.



11. GEOGRAPHY

Prescribed Book:

N.C.E.R.T.

	MM
UT/PT-I	10
HLY/PT-2	80
UT/PT-II	10
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Geography as a Discipline	4	✓	✓		
		* Introduction :: Location and Size India	4	✓	✓		
May	12	* Physiography	12	✓	✓		
June	6	* The Earth	6	✓	✓		
July	26	* The Earth	6		✓		
		* Drainage System	8		✓		
		* Landform (Rocks)	8		✓		
		* Geomorphic Process	10		✓		
Aug.	26	* Climate: Atmosphere	6		✓		
		* Insolation, Pressure belt	6		✓		
		* Precipitation- Evaporation, Condensation	4		✓		
		* Climate	12		✓		
		* Vegetation	12		✓		
Sept.	11	REVISION			✓		

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	* World Climate	10	✓	✓		✓
		* Climate	6	✓	✓		✓
		* Global Concern	6	✓	✓		✓
Nov.	20	* Basics of Oceanography	4	✓	✓		✓
		* Distribution of Temperature and Salinity	6	✓	✓		✓
		* Movement of Ocean Water Waves	6	✓	✓		✓
		* Tide and Currents	4	✓	✓		✓
Dec.	21	* Biosphere	6	✓	✓		✓
		* Hazards and Disaster (Flood, Drought : Types and Impact)	15	✓	✓		✓
Jan.	20	* Earthquake	5	✓	✓		✓
		* Cyclone	5	✓	✓		✓
		* Landslides	10	✓	✓		✓

12. POL. SCIENCE

Prescribed Book:

Pol. Science (NCERT)

	MM
UT/PT-I	50
HLY/PT-2	100
UT/PT-II	50
ANNUAL	100

Months	Working Days	Chapters/Topics	Periods	MM			
				UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	<i>Part - A</i> * Constitution why and how	19	✓	✓		✓
		* Philosophy of the constitution					
May	12	<i>Part - B</i> * Political Theory: An Introduction	24	✓	✓		✓
		* Rights in the Indian Constitution					
June	6	<i>Part - B</i> * Freedom	11		✓	✓	✓
July	26	<i>Part - A</i> * Election and Representation	32		✓	✓	✓
		<i>Part - B</i> * Equality					
		<i>Part - A</i> * The Executive					
Aug.	26	<i>Part - B</i> * Social Justice	32		✓		✓
		<i>Part - A</i> * The Legislature					
		<i>Part - B</i> * Rights					
Sept.	11	<i>Part - A</i> * The Judiciary	20	✓		✓	✓
		<i>Part - B</i> * Citizenship					
Oct.	22	<i>Part - A</i> * Federalism	40			✓	✓
		<i>Part - B</i> * Nationalism					
		<i>Part - A</i> * Local Government					
Nov.	20	<i>Part - A</i> * Local Government	18			✓	✓
		<i>Part - B</i> * Secularism					
Dec.	21	<i>P-A</i> * Constitution as a living document	30				✓
		<i>Part - B</i> * Peace					
Jan.	20	<i>Part - B</i> * Development	11				✓
		Revision					
Feb.	8	Revision + Pre-Final Assessment					

13. PHYSICAL EDUCATION

Prescribed Book:

Physical Education and Health Education
(Evergreen Publication)

	MM
UT/PT-I	30
HLY/PT-2	70
UT/PT-II	30
ANNUAL	70

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	Unit 1 Changing trends & career in Physical Education	10				
		Unit 2 Olympic Movement	10				
		PRACTICAL WORK					
May	12	Unit 3 Physical fitness, wellness & Life-style	8				
		PRACTICAL WORK	8				
June	6	Unit 4 Physical education & sports for CWSN	3				
		PRACTICAL WORK	4				
July	26	Unit 5 Yoga	12				
		Unit 6 Physical activity and leadership training					
		PRACTICAL WORK	12				
Aug.	26	Unit 7 Test, measurement & evolution	13				
		Unit 8 Fundamentals of anatomy & physiology					
		PRACTICAL WORK	18				
Sept.	11	Unit 9 Kinestalogy, Bio-mechanics & sports	7				
		PRACTICAL WORK	10				
Oct.	22	Unit 10 Psychology sports	13				
		PRACTICAL WORK	12				

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Nov.	20	Unit 11 Training in sports	13				
		PRACTICAL WORK	14				
Dec.	21	Unit 12 Doping	5				
		PRACTICAL WORK	10				
Jan.	20	Revision Theory	10				
		PRACTICAL WORK	10				
Feb.	8	Revision	10				

14. HINDUSTANI MUSIC (Vocal)

Prescribed Book:

Swar Nidhi

(Arya Publication)

	MM
UT/PT-I	30
HLY/PT-2	70
UT/PT-II	30
ANNUAL	70

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Definition of the following: Sangeet, Dhvani, Nada	33	✓			
		* Notation in Rag Bihag					
May	12	* Writing in Tala-notation Thah and Dugun : Dadra Tala, Kaharwa Tala	16	✓			
		* Brief history of Dhrupad					
June	6	* One devotional Song	8	✓			
July	26	* Definition of the following: Shruti, Swara, Saptak	34	✓	✓		
		* Notation in Rag Bhairavi					
		* Tala notation in Teen Tala					

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Aug.	26	* Definition of the following: Thaat, Jati, Raga	34				
		* Contribution of Musicians: Miyan Tansen					
		* Brief History of Khayal					
		* Writing in Tala-notation Thah and Duguan: Chautala					
Sept.	11	* Brief study of Musical elements in Natya Shastra	14				
Oct.	22	* Definition of the following: Swarmalika, Lakshan Geet, Laya	28				
		* Vilambit Khayal and Drut Khayal in Rag Jaunpuri					
		* Tarana (Brief Study)					
Nov.	20	* Contribution of Musicians : Pt. V.N. Bhatkhande	26				
		* Definition of the following: Nibaddha Gan, Anibaddha Gan, Tala					
Dec.	21	* Brief knowledge of Gharanas:	27				
		* Writing in Tala notation with Thah and dugun: Sultala & Ektala					
		* Rag Vrindavani Sarang in Drut Khayal					
Jan.	20	* One Dhrupad in any one of the prescribed Ragas	26				
		* Contribution of musician: Pt. Vishnu Digambar Paluskar					
Feb.	8	Course Completed	10				



Class – XII

1. हिन्दी

निर्धारित पुस्तकों के नाम- 1. आरोह - 2

2. वितान - 2

3. अभिव्यक्ति एवं माध्यम

	MM
UT/PT-I	50
HLY/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	सिल्वर वेडिंग	6				
		वाचन, श्रवण	2	✓	✓		✓
April	15	भक्तिन, बाजार दर्शन, आत्मपरिचय	25				
		दिन जल्दी-जल्दी ढलता है, पतंग, पुस्तक की समीक्षा, रिपोर्ट, फीचर		✓	✓		✓
		वाचन, श्रवण	9				
May	21	कविता के बहाने, कैमरे में बंद	21				
		अपाहिज, बात सीधी थी पर काले मेघा पानी दे, अपठित काव्यांश, गद्यांश			✓		✓
		वाचन, श्रवण	4				
June	6	जूझ, मीडिया लेखन	6				
		वाचन, श्रवण	2		✓		✓
July	26	पहलवान की ढोलक, सहर्ष स्वीकारा है	26				
		उषा, चार्ली चैप्लिन और हम सब नमक, अतीत में दबे पाँव			✓		✓
		वाचन, श्रवण	10				
Aug.	26	शिरीष के फूल, श्रम विभाजन और जाति प्रथा	26				
		कवितावली, लक्ष्मणमूर्च्छा और रामविलाप, श्रवण, वाचन, आलेख	10		✓		✓

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Sept.	11	श्रवण, वाचन, अभ्यास कार्य	11				
		वाचन, श्रवण	3		✓		
Oct.	22	रूबाइयाँ, गजल, छोटा मेरा खेत	22				
		डायरी के पत्रे, निबन्ध, पत्र					
		पुस्तक की समीक्षा, आलेख, फीचर				✓	✓
		वाचन, श्रवण	9				
Nov.	20	वाचन, श्रवण, अभ्यास-कार्य	20				
		अपठित काव्यांश, गद्यांश					✓
		वाचन, श्रवण	7				
Dec.	9	अभ्यास कार्य	9				
		परियोजना कार्य					
		वाचन, श्रवण	2				

परियोजना कार्य

1. हिन्दी साहित्य की प्रमुख गद्य विधाएँ कौन-कौन सी हैं? विस्तार से वर्णन कीजिए।
2. हिन्दी साहित्य को कितने भागों में बाँटा गया है? किसी एक का विस्तार से वर्णन कीजिए।
3. हिन्दी साहित्य में नारियों का योगदान
4. राष्ट्रभाषा हिन्दी और उसका महत्व
5. भक्तिकाल को स्वर्णयुग क्यों कहते हैं?
6. हिन्दी साहित्य और देशभक्ति



2. ENGLISH

Prescribed Book:

1. **Flamingo** (Main Text Book)
2. **Vistas** (Supplementary Book)

	MM
UT/PT-I	10
HLY/PT-2	80
UT/PT-II	10
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* The Last Lesson					
		* Writing Skill - Notice					
		* Poem- My Mother of Sixty Six,					
April	25	* Lost Spring					
		* Vistas- The Tiger King					
May	12	* Poem- An Elementary School/ Classroom in a slum					
		* Flamingo - Deep Water					
		* Writing skill- Poster					
June	6	* The Rattrap					
July	26	* Report Writing, Invitation, Advertisements					
		* Flamingo - Indigo, Note-Making Unseen Passages					
		* Novel- The Invisible Man					
		* Keeping Quiet					
Aug.	26	* Novel - The Invisible Man					
		* Characters of Marvel, Griffin & Dr. Kemp in detail					
		* Letter, Article, Speech					

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	Going threes, Debate,					
		The Enemy					
Oct.	22	On the face of it					
		Memories of Childhood,					
		Unseen Passages exercises					
		Novel in Detail					
		Should wizard Hit memory					
Nov.	20	Memories of Childhood,					
		A thing of beauty ,					
		Aunt Jennifer's tigers					
		The Invisible Man in detail					
		Unseen exercises					
Dec.	21	Revision of above mentioned chapters					
		& topics &					
		Pre-Board Examination					

3. MATHEMATICS

Prescribed Book:

1. Mathematics (N.C.E.R.T.)
2. R.S. Aggarwal / R.D. Sharma

	MM
UT/PT-I	50
HLY/PT-2	100
UT/PT-II	50
ANNUAL	100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	Unit- I -- Relations & Functions (30 period) (Mark- 10)	10	✓	✓		✓
		Ch. 1 - Relations and Function (10 p)					
April	25	Ch. 2 - Inverse Trigonometric Function (10 p)	40	✓	✓		✓
		Unit- II -- Algebra (50 period) (Mark- 13)					
		Ch. 3- Matrix (20 p)		✓	✓		✓
May	12	Ch. 3- Matrix (5 p)	20	✓	✓		✓
		Ch. 4- Determinant (15 p)		✓	✓		✓
June	6	Ch. 4- Determinant (10 p)	10	✓	✓		✓
July	26	Unit- III -- Calculus (80 period) (Mark- 44)	40				
		Ch. 5- Continuity and Differentiability (20 p)			✓		✓
		Ch. 6- Applications of derivatives (10 p)			✓		✓
		Ch. 7- Integrals (10 p)			✓		✓
Aug.	26	Ch. 7- Integrals (10 p)	40		✓		✓
		Ch. 8- Applications of the Integrals (15 p)			✓		✓
		Ch. 7- Differential equations (15 p)					✓

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Sept.	11	Unit- IV -- Vector & Three Dimensional Geometry <i>(30 period) (Mark- 17)</i>	20				
		Ch. 10 - Vectors (15 p)					✓
		Ch. 11 - Three-dimensional Geometry (5 p)	30				✓
Oct.	22	Ch. 11 - Three-dimensional Geometry (10 p)					✓
		Unit- V -- Linear Programming <i>(20 period) (Mark- 6)</i>	30				
		Ch.12 - Linear Programming (20 p)					✓
Nov.	20	Unit- VI -- Probability <i>(30 period) (Mark- 10)</i>					
		Ch. 13 - Probability (30 p)					✓
Dec.	21	REVISION					
		Pre-Board Examination - I					
Jan.	20	Pre-Board Examination - II					
Feb.	8	REVISION					



4. PHYSICS

Prescribed Book:

N.C.E.R.T. - Vol. I & Vol. II

	MM
UT/PT-I	35+15=50
HLY/PT-2	70+30=100
UT/PT-II	35+15=50
ANNUAL	70+30=100

Months	Working Days	Chapters/Topics	Periods				
				UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	Unit I Electrostatics	22	✓	✓		✓
		Unit II Current Electricity	20	✓	✓		✓
May	12	Unit III Magnetic effect of electricity	22	✓	✓		✓
June	6	Unit IV Electromagnetic induction and alternating current	20	✓	✓		✓
July	26	Unit IV Electromagnetic induction and alternating current	4	✓	✓		✓
		Unit V Electromagnetic Waves		✓	✓		✓
		UNIT TEST - I					
Aug.	26	Unit VI Optics	25		✓		✓
Sept.	11	Unit VI Optics			✓		✓
		Half Yearly Exam.					✓
Oct.	21	Unit VII Dual Nature of Radiation and Matter	8				✓
		Unit VIII Atoms and Nuclei	14				✓
Nov.	18	Unit IX Electronic Devices	15				✓
		Unit X Communication System	10				✓
Dec.	11	Revision					
		Pre Board					

5. CHEMISTRY

Prescribed Book:

Chemistry N.C.E.R.T.

	MM
UT/PT-I	35+15=50
HLY/PT-2	70+30=100
UT/PT-II	35+15=50
ANNUAL	70+30=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Solid State	6	✓	✓		✓
April	25	* Solid State	24	✓	✓		✓
		* Solution					
May	12	* Electrochemistry	11		✓		✓
June	6	* Chemical Kinetics	6		✓		✓
July	26	* Chemical Kinetics	26		✓		✓
		* Surface Chemistry					
		* General Principal of Isolation of Elements					
Aug.	26	* p-block	26				✓
		* d- block					
		* f-block					
		* Co-ordination compound					
Sept.	11	* Co-ordination compound	11				✓
		* Halo Alkanes and Halo Amene					
		* Alcohol					
		MID TERM EXAM.					
Oct.	22	* Alcohols	22				✓
		* Ketone					
		* Carboxylic Acid					
		* Organic Compound containing Nitrogen					



Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Nov.	20	* Biomolecule	20				✓
		* Polymer					
		* Chemistry in Everyday Life	21				✓
Dec.	21	REVISION + Pre Board - I					
Jan.	20	REVISION + Pre Board - II		20			✓

Practicals (M.M. = 30)

Volumetric Analysis (<i>May, June, July</i>)	8 marks
Salt Analysis (<i>August, September, October</i>)	8 marks
Content Based Experiment (<i>November</i>)	6 marks
Project Work	4 marks
Class Record & Viva	4 marks

6. BIOLOGY

Prescribed Book:

N.C.E.R.T.

	MM
UT/PT-I	20
HLY/PT-2	80
UT/PT-II	20
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	23	* Reproduction in organisms	23	✓	✓	✓	
		* Sexual reproduction in flowering plants					
May	12	* Human Reproduction	12	✓	✓	✓	
		* Reproductive Health					
June	5	* Molecular level of inheritance	5	✓	✓	✓	
July	18	* Genetics and Evolution	18		✓	✓	
Aug.	22	* Human health and disease	22		✓	✓	
		* Strategies for enhancement in food production					
		* Microbes in human welfare					
Sept.	11	* Biotechnology principles & process	15		✓	✓	
		* Application of bio-technology					
Oct.	21	* Eco-system	30		✓	✓	
		* Components types and energy flow					
		* Population and community					
Nov.	18	* Ecological adaptation	24			✓	
		* Biodiversity and conservation					
Dec.	11	* Environmental issues	12			✓	



7. ACCOUNTANCY

Prescribed Book:

Accountancy : D.K. Goel

	MM
UT/PT-I	50
HLY/PT-2	80
UT/PT-II	50
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods				
				UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Partnership (Fundamental)		✓	✓		✓
April	25	* Partnership (Fundamental)		✓	✓		✓
		* Change in profit sharing ratio		✓	✓		✓
May	12	* Admission of New partner		✓	✓		✓
June	6	* Retirement and death of partner		✓	✓		✓
July	26	* Retirement and death of partner		✓	✓		✓
		* Dissolution of partnership firm		✓	✓		✓
Aug.	26	* Not for profit organisation		✓	✓		✓
		* Company Account - Issue of share			✓		✓
Sept.	11	* Issue of Debenture			✓		✓
		* Redemption of Debenture			✓		✓
Oct.	22	* Introduction - Financial statement of companies Act 2013				✓	✓
		* Comparative balance sheet and Income statement				✓	✓
		* Common size Statement				✓	✓
Nov.	20	* Ratio Analysis				✓	✓
		* Cash flow statement				✓	✓
		* Project work					

8. BUSINESS STUDIES

	MM
UT/PT-I	50
HLY/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Prescribed Book:

Business Studies : Poonam Gandhi

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	PART - A :: Principles and functions of management	-				
		1. Nature and significance of management	10	✓	✓		✓
		April	25	1. Nature and significance of management	4	✓	✓
		2. Principles of management	30	✓	✓		✓
May	12	2. Principles of management	4	✓	✓		✓
		3. Business Environment	16	✓	✓		✓
June	6	4. Planning	10	✓	✓		✓
July	26	4. Planning	10	✓	✓		✓
		5. Organising	30	✓	✓		✓
		Unit Test					
Aug.	26	6. Staffing	25			✓	✓
		7. Directing	15				✓
Sept.	11	7. Directing	4				✓
		8. Controlling	14		✓		✓
		Half Yearly Exam.					
Oct.	22	PART - B :: Business Finance and Marketing					
		9. Financial Management	16				✓
		10. Financial Market	16				✓
Nov.	20	11. Marketing Management	20				✓
		12. Consumer Protection	10				✓
Dec.	21	REVISION for B.St.					



9. ECONOMICS

Prescribed Book: NCERT
Micro Economics
Statistics

	MM
UT/PT-I	50
HLY/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Introduction	8				
April	25	* Consumer's Equilibrium	32	✓	✓		✓
		* Demand					
May	12	* Producer's Behaviour	22	✓	✓		✓
June	6	* Supply	10	✓	✓		✓
July	26	* Forms of Market and price determination under perfect competition with simple applications	28		✓		✓
Aug.	26	* National Income and Related aggregates	28		✓		✓
Sept.	11	* Money & Banking	15				✓
Oct.	22	* Determination of Income and Employment	27				✓
Nov.	20	* Govt. Budget and Economy	15				✓
		* Balance of Payment	15				
Dec.	21	REVISION	10				

10. HISTORY

Prescribed Book:

Themes in World History - 1, 2, 3 (NCERT)

	MM
UT/PT-I	50
HLY/PT-2	80+20=100
UT/PT-II	50
ANNUAL	80+20=100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* The Story of the First Cities: Harappan Archaeology	13	✓	✓		
April	25	* Political and Economic History: How Inscriptions tell a story	14	✓	✓		
		* Social Histories: Using the Mahabharata	14	✓	✓		
May	12	* A History of Buddhism: Sanchi Stupa	14	✓	✓		✓
		* Medieval Society through Travelers' Accounts	13	✓	✓		✓
June	6	* Religious Histories: The Bhakti-Sufi Tradition	13	✓	✓		✓
July	26	* New Architecture: Hampi	13		✓		✓
		* Agrarian Relations: The Ain-i-Akbari	13		✓		✓
Aug.	26	* The Mughal Court: Reconstructing	13		✓		✓
		* Colonialism and Rural Society: Evidence from Official Reports	13		✓		✓
Sept.	11	* Representations of 1857	13				✓
Oct.	22	* Colonialism and Indian Towns: Town Plans and Municipal Reports	13				✓
		* Mahatma Gandhi through Contemporary Eyes	13				✓
Nov.	20	* Partition through Oral Sources	14				✓
		* The Making of the Constitution	14				✓
Dec.	21	PRE BOARD EXAMINATIONS					

Topics for Projects

1. The mysteries behind the mound of dead — Mohenjo-Daro
2. An In-depth study to understand Spiritual Archaeology in the Sub-Continent
3. Buddha's Path to Enlightenment
4. Insight and Reflection of Bernier's notions of The Mughal Empire
5. An exploratory study to know the women who created history
6. "Mahatma Gandhi" — A legendary soul
7. To reconstruct the History of Vijaynagar through the Archaeology of Hampi
8. The emerald city of Colonial Era — BOMBAY
9. Vision of unity behind the first war of Independence
10. Divine Apostle of Guru Nanak Dev
11. Help, Humanity and Sacrifices during Partition
12. Glimpses inside Mughals Imperials Household
13. The process behind the framing of the Indian Constitution
14. The 'Brahm Nirupam' of Kabir — A journey to Ultimate Reality

Note:

- 1) Any two themes are to be attempted:- one for term-1 and second for term-2.
- 2) Project -1 to be done in summer vacation and Project -2 in Winter vacation.

List of MAPS

Book -- 1

1. P-2 Mature Harappan sites: Harappa, Banawali, Kalibangan, Dalakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, Kot Diji.
2. P-30 Mahajanapada and cities: Vajji, Magadha, Kosata, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxita, Varanasi.
3. P-33 Distribution of Ashokan inscriptions:
 - i) Kushanas, Shakas, Satavahanas, Vakatakas, Guptas
 - ii) Cities/towns: Mathura, Kannauj, Puhar, Praghukachchha
 - iii) Pillar inscriptions - Sanchi, Topra, Meerut Pillar and Kaushambi.
 - iv) Kingdom of Cholas, Cheras and Pandyas.
4. P-43 Important kingdoms and towns:
 - i) Kushanas, Shakas, Satavahanas, Vakatakas, Guptas
 - ii) Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha
5. P-95 Major Buddhist Sites: Nagarjunakonda, Sanchi, Amaravati, Lumbini, Nasik, Bharhut, BodhGaya, Shravasti, Ajanta.

Book -- 2

1. P-174 Bidar, Golconda, Bijapur, Vijayanagar, Chandragiri, Kanchipuram, Mysore, Thanjavur, Kolar, Tirunelveli, Quilon
2. P-214 Territories under Babur, Akbar and Aurangzeb: Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa.

Book -- 3

1. P-297 Territories/cities under British Control in 1857: Punjab, Sindh, Bombay, Madras Fort St. David, Masulipatam, Berar, Bengal, Bihar, Orissa, Avadh, Surat, Calcutta, Daccan, Chitagong, Patna, Benaras, Altabahad and Lucknow.
2. P-305 Main centres of the Revolt of 1857: Delhi, Meerut, Jhansi, Lucknow, Kanpur, Azamgarh, Calcutta, Benaras, Gwalior, Jabalpur, Agra, Avadh.
3. P-305 Important centres of the National Movement: Champaran, Kheda, Ahmedabad, Benaras, Amritsar, Chauri Chaura, Lahore, Bardoli, Dandi, Bombay (Quit India Resolution), Karachi.

Prescribed Books:

1. Themes in World History, Class XI, Published by NCERT
2. Themes in Indian History, Part I, Class Xli, Published by NCERT
3. Themes in Indian History Part-II, Class XII, Published by NCERT
4. Themes in Indian History Part-III, Class XII, Published by NCERT

Note: The above textbooks are also available in Hindi medium.



11. GEOGRAPHY

Prescribed Book:

N.C.E.R.T.

	MM
UT/PT-I	10
HLY/PT-2	80
UT/PT-II	10
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	* Human Geography : Nature scope	5	✓	✓		
		* The World Population	10	✓	✓		
		* India: Population, Density, Growth & Composition	10	✓	✓		
May	12	* Migration : Types Causes Consequence	6	✓	✓		
		* Population Composition	6	✓	✓		
June	6	* Human Development (India)	6		✓		
July	26	* Human Development (World)	10		✓		
		* Primary Activities	6		✓		
		* Human Settlements	5		✓		
		* Land resources and Agriculture	5		✓		
Aug.	26	* Secondary Activities	6		✓		
		* Water Resources :	5		✓		
		* Mineral and Energy Resource s	7		✓		
		* Manufacturing Industries	8		✓		
Sept.	11	REVISION			✓		

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	* Tertiary and Quaternary Activities		✓	✓		✓
		* Transport and communication		✓	✓		✓
		* Planning and Sustainable Development		✓	✓		✓
		* Transport and Communication		✓	✓		✓
Nov.	20	* International Trade (World)					✓
		* International Trade (India)					✓
		* Human Settlement (World)					✓
		* Geographical Perspective on Selected Issue and Problems					✓
Dec.	21	REVISION					



12. POL. SCIENCE

Prescribed Book:

Pol. Science (NCERT)

	MM
UT/PT-I	50
HLY/PT-2	100
UT/PT-II	50
ANNUAL	100

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	Part - A * Cold war era	12	✓	✓		
April	25	Part - A * Cold war era	45	✓	✓		
		Part - B *Challenges of nation-building					
		Part - A * The end of bipolarity					
May	12	Part - B * Era of one party dominance	19	✓	✓		
June	6	P.- A * US Hegemony in world politics	11	✓	✓		
July	26	P.- B * Politics of planned development	46		✓		
		Part - A * Alternative centres of power					
		Part - B * India's external relations					
		Part - A * Contemporary South India					
Aug.	26	Part - A * Contemporary South India	46		✓	✓	
		Part -B * Challenges to the congress system					
		Part - A * International Organisation					
		Part - B * Crisis of democratic order					
		Part - B * Crisis of democratic order					
Sept.	11	Part - B * Crisis of democratic order	19			✓	✓
		P.-A * Security in contemporary world					
		Part - B * Rise of popular movement					
Oct.	22	Part - A * Environment and natural resources	36			✓	✓
		Part - B * Regional aspirations					
		Part - A * Globalisation					
Nov.	20	Part - B * Recent development in Indian Politics	34				✓
		Part - B * Regional aspirations					
		Part - A * Globalisation					
Dec.	21	Revision					

13. PHYSICAL EDUCATION

Prescribed Book:

Physical Education and Health Education
(Evergreen Publication)

	MM
UT/PT-I	30
HLY/PT-2	70
UT/PT-II	30
ANNUAL	70

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	Unit 1 Planning in Sports	8	✓	✓		✓
April	25	Unit 2 Sports & Nutrition	18				
		Unit 3 Yoga & Lifestyle		✓	✓		
		PRACTICAL WORK	18				
May	12	Unit 4 Physical education & sports for CWSN (Children with special needs)	8	✓	✓		
		PRACTICAL WORK	4				
June	6	Unit 5 Children sports	8		✓		
July	26	Unit 5 Children sports	18				
		Unit 6 Women sports			✓		
		PRACTICAL WORK	18				
Aug.	26	Unit 7 Test measurement in sports	18				
		PRACTICAL WORK					
		Unit 8 Physiology and sports				✓	✓
		PRACTICAL WORK	18				
Sept.	11	Unit 9 Sports Medicine	8				
		PRACTICAL WORK	3			✓	✓
Oct.	22	Unit 9 Sports Medicine	13				
		Unit 10 Kinesiology, Bio					
		Unit 11 Psychology & Sports					✓
		PRACTICAL WORK	11				
Nov.	20	Unit 11 Psychology & Sports	13				
		Unit 12 Training in sports					✓
		PRACTICAL WORK	14				

14. HINDUSTANI MUSIC (Vocal)

Prescribed Book:

Swar Nidhi
(Arya Publication)

	MM
UT/PT-I	30
HLY/PT-2	70
UT/PT-II	30
ANNUAL	70

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
April	25	Definition of the following: Alankar,	35	✓			
		Varna, Kan, Meend, Khatka, Murki					
		Ragas - Bhairav (Drut Khayal):					
		Jhaptala, Vilambit khayal in Malkauns					
May	12	Sangeet Ratnakar: (detail study of the	16	✓			
		following treatises)					
June	6	Malkauns in Drut Khayal	8	✓			
July	26	Contribution of musicians:	36	✓	✓		
		Ustad Abdul Karim Khan					
		Classification of Ragas:					
		Tarana in Malkauns					
Aug.	26	Rupak Tal- (Writing in notation)	36		✓		
		Thah and dugun					
		Contribution of musicians:					
		Ustad Faiyaz Khan					
		Ability to recognise the Ragas from					
		given passages of swaras:					
Bahirav, Malkauns							
Sept.	11	Writing in Tala-notation with Thah and	15		✓		
		Dugun: Dhamar Tal					
		Definition of the following:					
		Murchhana, Grama					

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
Oct.	22	Definition of the following:	15			✓	✓
		Gamak, Alap, Tana					
		Detail study of the following treatises:					
		Sangeet Parijat					
		Description of the Ragas:					
		Bageshri in drut khayal					
Nov.	20	Contribution of musicians:	28				✓
		Ustad Bade Ghulam Ali Khan					
		Rag Bhimpalasi in Drut Khayal					
		notation					
		timetherory of Ragas					
Dec.	21	One composition of Dadra and Bhajan,	26				✓
		Sadra					
		Contribution of Musicians:					
		Pt. Krishna Raoshankar Pandit					
		Dhamar in any ragas					
Jan.	20	Course completed	27				
		Practical Work					

15. COMPUTER SCIENCE

Prescribed Book:

Computer Science with C++

Sumita Arora (Dhanpat Rai & Co.)

	MM
UT/PT-I	10
HLY/PT-2	80
UT/PT-II	10
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Revision tour	6	✓	✓		✓
April	25	* Revision tour	5	✓	✓		✓
		* Class and Objects	20				
May	12	* Constructor Destructor	8	✓	✓		✓
		* Inheritance	4				
June	6	* Inheritance	6		✓		✓
July	26	* Data file Handling	20		✓	✓	✓
		* Pointers	6				
Aug.	26	* Array	18			✓	✓
		* Stack	8				
Sept.	11	* Queue	11			✓	✓
Oct.	22	* Database Concept	2				✓
		* Structured Query Language	18				
		* Boolean Algebra	2				
Nov.	20	* Boolean Algebra	10				✓
		* Communication and open source Concepts	10				

16. INFORMATICS PRACTICE

Prescribed Book:

Informatics Practice

Sumita Arora (Dhanpat Rai & Co.)

	MM
UT/PT-I	10
HLY/PT-2	80
UT/PT-II	10
ANNUAL	80

Months	Working Days	Chapters/Topics	Periods	UT/PT-I	HLY/PT-2	UT/PT-II	ANNUAL
March	6	* Computer Networking	6	✓	✓		✓
April	25	* Computer Networking	5				
		* Open source Concept	10	✓	✓		✓
		* Java GUI Programming Tour - 1 (Programming Fundamentals)	10				
May	12	* Java net beams GUI	12	✓	✓		✓
		Programming using IDE					
June	6	* Java GUI Programming	6		✓		✓
July	26	* HTML - I (Basic HTML elements)	10				
		* HTML-II (Lists, Tables, Forms)	10		✓		✓
		* Web Application Development	6				
Aug.	26	* XML- Extensible Markup Language	6				
		* Relation & Database Management System	20		✓		✓
Sept.	11	* My sql Queries	11				✓
Oct.	22	* Database Transaction	5				
		* Database Connecting	10				✓
		* Grouping records and Table Joins	7				
Nov.	20	* Table and Integrity Constraint	10				✓
		* IT Application	10				

