



		<p><b>Writing Skills- Short Composition ( Notice Writing)</b></p> <p><b>P-1 (My Mother at Sixty Six)</b></p> <p><b>P-2 ( Keeping Quiet)</b></p> <p><b>Ch-3. Deep Water</b></p>	<p>and gratitude towards your mother.</p> <p>2. Draw a portrait of your mother.</p> <p>1. Prepare a model of a clock representing different motivation words on each number.</p> <p>2. Collect the details of cause of war.</p> <p>1. Doing well in any involves a great deal of struggle. Most of us are very nervous to begin with until gradually we overcome our fears and perform well. Write an essay of about five paragraphs recounting such an experience. Try to recollect minute details of what caused the fear, your feelings, the encouragement you got from others or the criticism.</p> <p>2. Are there any water sports in India? Find out about the areas or places which are known for water sports and prepare catchy handouts for them.</p>		
2			<p>1. Prepare Rattrap using waste material.</p>	<p>Enquiry based Lectures,</p>	<p>Flamingo Reader, Vistas, English practice, test materials,</p>

	<p style="text-align: center;"><b>May</b></p>	<p><b>L-4 The Rattrap</b></p> <p><b>Supplementary</b></p> <p><b>L-1: The Third Level</b></p> <p><b>L-3( Journey to The End of The Earth)</b></p> <p><b>Writing Skills-</b></p>	<p>2. Prepare a comparative analysis on the behaviour of the three characters of the story who deal with the Rattrap seller.</p> <p>1. Worksheets on Listening task, Crisis Management, Creative writing to unfold logical thinking skills.</p> <p>2. Jot down your medium of escape from real world.( Your pastime)</p> <p>3. Prepare a collage on postal stamps.</p> <p>1. Prepare a globe using newspapers.</p> <p>2. Speech: Humans are the cause of the destruction of the Earth.</p> <p>3. Draw a scene of Antarctica Continent.</p> <p>1. Framing and preparing invitation cards for different purposes: a) Annual Day Celebration invitation card. b) Prepare an information brochure highlighting the main programs of your function.</p> <p>Letters: 1. Public Issues</p>	<p>Classroom discussion,</p> <p>Demonstration, Explanation,</p> <p>Reading,</p> <p>Debate,</p> <p>Problem solving,</p> <p>Reading</p>	<p>chalk-duster smartclass, greenboard, mindmap (self made), over head Projector etc.</p> <p>Video on Save Tiger</p> <p>PPT</p>
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		<p><b>Short Composition (Invitation &amp; Reply)</b></p>	<p>2. Problem/ Inconvenience</p> <p>3. Job application+ Resume.</p>		
		<p><b>Long Composition Letters</b></p>			
3	June	<b>Summer Break</b>			
4	July	<p><b>Ch-5. Indigo</b></p>	<p>1. Prepare scrapbook on Gandhi's contribution in Indian Freedom Movement.</p> <p>2. Flow chart of the characteristics of a team leader.</p> <p>1. PowerPoint Presentation on the beauty of Nature.</p> <p>2. Recite the poem and make a video.</p>	<p>Debreifing,</p> <p>Debate,</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), over head Projector etc.</p>
		<p><b>P-3 A Thing of Beauty</b></p>	<p>1. Critically analyse the importance of war.</p> <p>2. Group discussion on importance of our helpers.</p>	<p>Classroom discussion,</p>	
		<p><b>Supplementary</b></p> <p><b>Ch-4 The Enemy</b></p>		<p>enquiry based Lecture, Values Classification,</p>	

		<b>Unit Test-I</b>		Brainstorming, Demonstration, Problem solving, Reading	
5	<b>August</b>	<b>Ch-6. Poets and Pancakes</b>	<p>1. Present Mono Acting related to the characters mentioned in the chapter.</p> <p>2. Write an article on the role of Indian Cinema.</p> <p>3. Present a review on any comedy film/book.</p> <p>1. Article Writing deriving ideas from interviews.</p>	<p>Debreifing,</p> <p>Debate,</p> <p>Classroom discussion,</p> <p>enquiry based Lecture,</p> <p>Values Classification,</p> <p>Brainstorming, Demonstration, Problemsolving,</p> <p>Reading</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), over head Projector etc.</p> <p>Documentary on the services of Doctors and Nurses during War times.</p>
6	<b>September</b>	<b>Revision + Half Yearly Examination</b>			
7		<b>Ch-7. The Interview</b>	1. Interview a person whom you admire either in school or your neighbourhood and record it in writing/video.	Enquiry based Lectures,	Flamingo Reader, Vistas, English practice, test materials, chalk-duster

	<p><b>October</b></p>	<p><b>P-4. A Roadside Stand</b></p> <p><b>Supplementary</b></p> <p><b>Ch-6. On the Face of It</b></p> <p><b>Ch-8. Going Places</b></p>	<p>2. Deliver important information from literature, history, science, or maths in the form of a newscast. Newscast can be prerecorded or presented live.</p> <p>1. Make a list of the items which are offered at the roadside stands.</p> <p>2. Declamation on Current Topics</p> <p>1. Make a collage of any powerful physically challenged person who created history.</p> <p>1. Group Discussion on Hero-worship is the most favourite pastime of most Indians.</p> <p>2. Draw a sketch of your role model.</p> <p>3. Write diary entry about the experience and what a waste is day dreaming.</p> <p>Prepare a model of football ground.</p> <p>1. Draw a beautiful sketch of tiger.</p> <p>2. . Quiz on poetic devices.</p> <p>3. Present a mime on the condition of women in society.</p>	<p>Classroom discussion,</p> <p>Demonstration,</p> <p>Explanation,</p> <p>Reading,Debate,</p> <p>Problem solving,</p> <p>Reading</p>	<p>smartclass, greenboard, mindmap (self made), over head Projector etc.</p> <p>PPT presenting the synopsis Documentary on the success stories of physically challenged people.</p>
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		<b>P-6. Aunt Jennifer's Tigers</b>			
8	<b>November</b>			Enquiry based  Lectures,  Classroom discussion,  Demonstration, Explanation,  Reading, Debate,  Problem solving, Reading	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), over head Projector etc.
9	<b>December</b>	<b>Supplementary</b>  <b>Ch-8. Memories of Childhood</b>          <b>Writing Skills- Report</b>	1. Jot down any of your childhood experience in the form of diary entry.  2. Is 21st century still facing the stigma of untouchability? Prepare a symposium on the same.  3. Draw the scene when Zitkala-Sa was being dragged out.  4. Prepare a skit on the scene which made Bama cheerful first and disappointed later.  1. Write a Report on a recent disaster with complimentary newspaper clip.	Debreifing,  Debate,  Classroom discussion, enquiry based Lecture,  Values Classification, Brainstorming, Demonstration, Problem solving, Reading	Documentary on the great personalities who fought against Social injustice

			2. Present a special report in the form of newscast.		
10	January	<b>Revision + Pre Board Examination</b> <b>Practice for ASL</b>			
11	February	<b>RECAPITULATION and PREPARATION FOR FINAL ASSESSMENT</b>			
12	March	<b>FINAL EXAMINATION</b>			

### Annual Planner -24-25

#### Yoga

#### XII

Month	Week	Topic	Sub- topics	Art-Integrated	Methodology	Teaching - Aids
<b>APRIL</b>	<b>week-1,2</b>	Unit-1	Communication Skills	<b>Practice of Halasana, Pawanmuktasana</b>	Explanation	Chalk Board , duster and Smart - class
	<b>week-3,4</b>	Unit-2	Self Management Skills			
<b>May</b>	<b>Week-1,2</b>	Unit-3	ICT-Skills	<b>Practice of Asanas</b>	Yoga Activities Explanation	Chalk Board , duster and Smart - class
	<b>Week-3,4</b>	Unit-4	Entrepreneurial Skills			
<b>June</b>		<b>SUMMER BREAK</b>				
<b>July</b>	<b>Week-1,2</b>	Unit-5	Green Skills	<b>Practice of Dhyana Mudra</b>	Revise and Explanation	Chalk board , duster and Smart - class
	<b>Week-3,4</b>	Revision	Green Skills			
<b>August</b>	<b>Week-1</b>	(Part-B) Unit-1	Introduction to Yoga and Yogic Practices-II	<b>1) Yoga Etymology, definition, Aim, objective and misconception text. 2)Yoga Origin, History and Development. 3)Rules and Regulation to be followed by yoga practitioners. 4)Introduction to major schools of yoga (Janan, Yoga Bhakti,Yoga Karma, Patanjali, Hatha. 5)Introduction to</b>		Chalk board , duster and Smart - class
	<b>Week-2</b>					
	<b>Week-3</b>					

				yogic practices (SukshamaVyayama, Surya Namaskar and Asanas).		
	<b>Week-4</b>					
<b>September</b>			<b>REVISION</b>			
<b>October</b>	<b>Week-1</b>	Unit-2	Introduction to Yoga Texts-II	<b>1)Introduction and study of patanjali Yoga sutra including memorization of selected Sutra.</b> <b>2)Introduction and study of Gheranda Samhita.</b> <b>3)Introduction of HataPradpika.</b> <b>4) Introduction and study of Bhagavad Gita including memorization of selected Slokas.</b>		Chalk board , duster and Smart – class
	<b>Week-2</b>					
	<b>Week-3</b>					
	<b>Week-4</b>					
<b>November</b>	<b>Week-1</b>	Unit-3	Yoga for health Promotion-II	<b>1) Brief introduction to human Body. 2) Role of Yoga for health promotion.</b> <b>3)Yogic attitudes and practices. 4) Holistic approach of Yoga towards the health and diseases.</b> <b>5) Introduction Yoga diet and its relevance and importance in Yoga Sadhana. 6) Dincharya and Ritucharya with respect of Yogic lifestyle.</b>		Chalk board ,duster and Smart – class
	<b>Week-2</b>					
	<b>Week-3</b>					
	<b>Week-4</b>					
<b>December</b>			Demonstration of skill competency in lab activites			
<b>January</b>		Practicals and lab Activities				

February		Revision	and Surya Namaskar			
			Revision			

### SUBJECT - Economics

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
APRIL	<b>Part A: Macro Economics</b>				
Week 1	Ch.1--Introduction	*Meaning of macroeconomics*Significance of macroeconomics	Problem solving discussion	*Draw a circular flow of income in 2 sector Economy on A4 size sheet *Make a list of some stock and flow variables *Make a Map and mention India's Domestic Territory *Draw a pie chart on Occupational Structure on the eve of Independence	Chalk Duster Green board Educomp NCERT Textbooks
Week 2	Ch.2 –Some Basic concepts of Macro	*Classification of goods *Concept and components of consumption expenditure *Concept of investment *Concept of depreciation, stock and flow *Sectors of the Economy and Intersectoralflo			
Week 3	Ch. 3—Money	*C-C economy and its problem *Types of money *Money supply and its measures			
Week 4	Ch.1- IndianEconomy on the Eve of Independence	*Overall features of Indian economy on the eve of Independence *State of Agricultural sector,Industrialsector,Foreign trade			
	<b>Part B:Indian Economic Development</b>				

		<ul style="list-style-type: none"> <li>*Demographic profile</li> <li>* Positive and negative impacts of Britishers on Indian economy</li> </ul>			
MAY					
Week 1	Ch. 2 Five Year Plans in India	* Five year plans in India	Interactive lecture method	*Make a chart on all the five year plans and their principal objectives	Chalk Duster Green board Educomp NCERT Textbook
Week 2	Ch.3.Agriculture Industry and Trade	<ul style="list-style-type: none"> <li>*Goals of planning in India</li> <li>*Achievement of the goals</li> <li>*Agriculture land reforms</li> <li>*Gains of Green revolution</li> <li>*limitations of Green revolution</li> <li>*industry, small scale industries</li> <li>*Silent features of growth strategy</li> </ul>	Problem Solving and Case Study Method	* debate on good and bad impact of the strategy of industrialisation	
Week 3	Ch. 6 Banking	<ul style="list-style-type: none"> <li>*Central Bank and its functions</li> <li>*Monetary policy and its instruments</li> <li>*Credit creation process by commercial banks</li> </ul>		*Collect some pictures of ancient and modern form of money and paste it on a chart	
Week 4	Ch-3 National Income and Related Aggregates	<ul style="list-style-type: none"> <li>*Concept of national income domestic and national income</li> <li>*Gross and net domestic products</li> <li>*Aggregates related to national income</li> <li>*Nominal and real GDP</li> <li>*GDP and welfare</li> </ul>			
	SUMMER BREAK			Interactive Explanation Method	

JUNE					
JULY					
Week 1	Ch-4 Economic Reforms Since 1991	<ul style="list-style-type: none"> <li>*Meaning of economic reforms</li> <li>*Privatisation</li> <li>*Globalisation</li> <li>*Liberalisation</li> <li>*Critical appraisal of NEP</li> <li>*Concept of demonetisation and GST</li> </ul>		*Group discussion on advantages and disadvantages of Globalisation	
Week 2	Ch.7 Aggregate Demand and Aggregate Supply and Related Concepts	<ul style="list-style-type: none"> <li>*Aggregate demand and its components</li> <li>*Consumption function ,Saving function</li> <li>*APC,MPC,APS ,MPS</li> </ul>	Problem Solving and Discussion Method	Draw break even point on a A4 sheet *Draw the diagrams of under employment equilibrium and over full employment equilibrium on a chart * make a flowchart of instruments of monetary and fiscal policy	Chalk Duster Green board Educomp NCERT Textbook
Week 3	Ch. 8 Short Run Equilibrium Output	<ul style="list-style-type: none"> <li>*AD -AS Approach</li> <li>*Saving-Investment Approach</li> <li>*Derivation of saving curve and consumption curve</li> <li>*Investment Multiplier</li> </ul>			
Week 4	UT 1				
AUG.			Discussion Method	*Collect some	Green board Educomp

Week 1	Ch.6 Human capital Formation in India	*Sources of human capital formation *Significance and problems of human capital formation	Interactive lecture Method	pictures of channels of alternative marketing and make a collage	NCERT Textbook
Week 2	Ch.7 Rural Development	*Rural credit and agricultural marketing *Role of cooperative agriculture diversification*Emerging challenges ,organic farming	Problem Solving Method		
Week 3	Ch. 9 Problem of Excess and Deficient Demand	*Causes and consequences of excess and deficient demand *Measures to correct excess and deficient demand- government spending taxes and money supply	Problem Solving Method		
Week 4	Ch.4 Methods of Calculating National Income	*Value added method *Problem of double counting*Classification of factor income *Precautions regarding income method expenditure method ,Concept of GNP,GDP,NDP at MP and FC GDP and welfare			
SEPT.	REVISION AND	HALF YEARLY EXAMS	.....		

OCT. Week 1	CH – Employment	*labour supply labour force, work force *Rate of participation *Occupational structure *Casualisation and informalisation of workforce	Problem solving Discussion		Chalk Duster Green board Educomp NCERT Textbook
Week 2	Ch.10 Government Budget	*Objectives of government budget *structure of budget *Budget deficit*Balanced and unbalanced budget	Interactive lecture Method	*QuizOn different types of taxes	
Week 3	Ch. 11 Foreign Exchange Rate	*Flexible and fixed exchange rate *Managed floating *Components of demand and supply for foreign exchange	Problem solving Discussion	Group discussio n on Gold Standard and Bretton wood System of Exchang rate	
Week 4	Ch.10 Environment and Sustainable Development	*Environment and significance of environment*Sus tainable development and strategies, global warming	Interactive Explanation Method		
NOV Unit test	Ch.12 Balance of Payment				

Week 2		*Components of BOP account *equilibrium and discipline *Balance and Imbalance in BOP*Significance of BOP	Interactive Explanation and Case Study Method		
Week 3	Ch.11 Comparative Development Experience of India and it's Neighbour	*Path of development of India China and Pakistan *Experience and achievements of India, China and Pakistan*Development Strategies and appraisal and conclusion	Story Telling Method and Interactive lecture Method	*Compare the growth strategies of India, China and Pakistan and make a chart of their strategie	Green board Educomp NCERT Textbook
Week 4	Revision				
DEC	REVISION	FINAL EXAM			
JAN	WINTER BREAK				
FEB	REVISION AND				

### SUBJECT - History

Month		Subtopics	Methodology	Students Activity	Instructional Aids
APRIL Week- 1	<b>Part A:</b> Ch.1—Bricks,Beads and Bones	*Terms, Places, Time *Beginnings, Subsistence Strategies *A Planned urban centre *Tracking Social differences	Problem solving Discussion	Make a model of House structure of Harappan civilization . 2. Make a chart on different works of	Chalk Duster Green board Educomp NCERT Textbooks
Week -2	Ch.1- Bricks,Beads and Bones	*Finding out about craft production			

		<ul style="list-style-type: none"> <li>*Strategies for procuring materials</li> <li>*Seals, script, weights</li> <li>*Ancient authority</li> <li>*End of the Civilization</li> <li>*Discovering the Harappan Civilization</li> <li>*Problems of piecing together the past</li> </ul>		<p>Indus people.</p> <p>3. Make a clay model related to Harappan Seal.</p> <p>4. Make a Collage on Craft production of Harappan Civilization</p> <p>Make a Salient Features of Different Mahajanpadas on A4 size sheets.</p>	
Week-3	Ch.2 kings, Farmers and Towns	<ul style="list-style-type: none"> <li>*Prinsepand Piyadassi</li> <li>*The Earliest states</li> <li>*An early empire</li> <li>*New notions of kingship</li> </ul>		<p>2. Make a flow chart Of Earliest states (16 Mahajanapadas)</p> <p>3. Draw a poster of Mauryan Empire.</p>	
Week-4	Ch.2 kings, Farmers and Towns(continued)	<ul style="list-style-type: none"> <li>*Changing countryside</li> <li>*Towns and Trade</li> <li>*Back to Basics</li> <li>*The limitations of inscriptional evidence</li> </ul>			
MAY					
Week -1	Ch. 3Kinship, Caste and class	<ul style="list-style-type: none"> <li>*Critical edition of the Mahabharata</li> <li>*Kinship and marriage</li> </ul>	Interactive lecture method	<ul style="list-style-type: none"> <li>*Make a chart related to types of marriage</li> </ul>	Chalk Duster Green board Educomp NCERT Textbook
Week -2	Ch. 3Kinship, Caste and class	<ul style="list-style-type: none"> <li>*Social differences</li> <li>*Beyond Birth resources and status</li> <li>*Explaining social differences</li> <li>A dynamic text</li> </ul>		<ul style="list-style-type: none"> <li>* Debate on good and bad impacts of caste system</li> </ul> <p>1. Make a sketch of</p>	

Week-3	Ch .4 Thinkers, Beliefs sand Buildings	A glimpse of Sanchi *The Background *Beyond worldly pleasures *The Buddha and quest for enlightenment *The teaching of the Buddha	Problem Solving and Case Study Method	Buddha. 2.Debate on Amaravati And Sanchi stupa.  3. Role play on life of Monks and Nuns. 4. Flow chart on Budhhaand Mahavira Teaching	
Week-4	Ch.4.Thinkers, Beliefs and Buildings (continued)	*Followers of the Buddha *Stupas *Discovering stupas *Sculpture *New Religious Tradition *Can we "see" everything			
JUNE	SUMMER BREAK				
JULY Unit test 1 Week-1	Ch.5Through the eyes of travellers	*Al-Biruni and Kitab-ul-Hind *Ibn Battuta's Rihila * Francois Barnier	Problem Solvingand Discussion Method	Describe the life Sketch of Al-Biruni On chart.  *Make a scrap book On women condition those told by travellers.	Chalk Duster Green board Educomp NCERT Textbook
Week-2	Ch.5 Through the eyes of travelers (continued)	*Making sense of an alien world *Ibn Batutaand the excitement of the unfamiliar  *Bernier and the degenerate east *Woman slaves, satisfy and labourers		Draw a Sketch of Mirabai.	
Week-3	Ch.6 Bhakti Sufi tradition			2. Make a scrap book	

Week-4	Ch.6 Bhakti , Sufi tradition	<ul style="list-style-type: none"> <li>*Mosaic of religious beliefs and practices</li> <li>*Poems of prayer</li> <li>*Virshaiv tradition</li> <li>*religious ferment in north India</li> </ul>	Interactive Explanation Method	<p>On Chishti religion.</p> <p>3. Role play on Alvars And Nayanars</p>	
AUG Week-1	Ch.7 Imperial Capital Vijaynagara	<ul style="list-style-type: none"> <li>*New strands in the fabric, Islamic traditions</li> <li>*The growth of sufism</li> <li>*The chishtis in the subcontinent</li> <li>* New devotional path</li> </ul>		<p>Make a flow chart Of Vijayanagara Dynasty.</p> <p>2. Role play on Krishna-deva Raya.</p>	
Week-2	Ch. Imperial Capital Vijayanagara	<ul style="list-style-type: none"> <li>*The Discovery of Hampi</li> <li>*Rayas, Nayakas and Sultans</li> <li>*Vijayanagara The Capital and its Environs</li> </ul>	Discussion Method	<p>1. Make a scrap book On Agrarian Society</p> <p>2. Make a Flow chart related to the revenue system.</p>	
Week-3	Ch.8 Peasants, Zamindarsand the State	<ul style="list-style-type: none"> <li>*The Royal Centre</li> <li>*The Sacred Centre</li> <li>*Plotting Palaces, Temples and Bazaars</li> <li>*Questions in Search of Answers</li> </ul>			
Week -4	Ch. 8 Peasants Zamindars sand the state (continued)	<ul style="list-style-type: none"> <li>*Peasants and Agricultural Production</li> <li>*The Village Community</li> <li>*Women in Agrarian Society</li> <li>*Forests and Tribes</li> <li>*The Zamindars</li> <li>*Land Revenue System</li> </ul>	Interactive lecture Method	<p>*Collect some pictures of channels of alternative</p>	

		*The Flow of Silver *The Ain-i Akbari FazlAllami of Abu'l		marketing and make a collage	
SEPT.	REVISION AND HALF YEARLY	EXAMS			
OCT. Week -1	Ch.10 Colonialism and the countryside	*Bengal and the Zamindars(half)	Problem solving Discussion	Make a project of land revenue system ( Permanent system)	Chalk Duster Green board Educomp NCERT Textbook
Week -2		*Bengal and the Zamindars(to be continued)		2. Role play on Zamin- -dars.	
Week-3		*The Hoe and the Plough			
Week-4		*A Revolt in the Countryside The Bombay Deccan			
NOV. Unit test 2 Week -1	Ch11.Rebels and the Raj	*The Deccan Riots Commission			
Week -2		*Pattern of the Rebellion *Awadh in Revolt *What the Rebels Wanted *Repression *Images of the Revolt	Interactive lecture Method	1. Draw a map and Shows all places those are related to 1857 revolt. 2. Flow chart on reason behind the revolt. 3. Prepare a speech on	
Week-3	Ch.13Mahatma Gandhi and the Nationalist Movement				

Week-4		*A Leader Announces Himself *The Making and Unmaking of Non-cooperation	Interactive Explanation Method	Why the revolt of 1857 failed.	
Dec. Week-1	Ch.15 Framing the Constitution	*The Salt Satyagraha A Case Study *Quit India *The Last Heroic Days *Knowing Gandhi		. Make a sketch of Mahatma Gandhi. 2. Make a project on All movements (1916 - 1942). 3. Draw a India map show all the places those related to movement.	
Week-2		*A Tumultuous Time *The Vision of the Constitution	Problem solving Discussion	1. Make a sketch of Sardar Patel. 2 Tell the process of making of the Constitution Assembly.	
Week-3,4	REVISION	*Defining Rights *The Powers of the states *The Language of the Nation			
JAN	WINTERBREAK				

SUBJECT - INFORMATICS PRACTICES

MONT H	WEEK	TOPIC	SUBTOPIC	ACTIVITIES	METHODOLOGIES	INSTRUCTIONAL/TEACHING AIDS
April	WEEK-I	Data Handling using PANDAS-I	Introduction to Python Libraries, Series Data structure (creating series , series object	Students will practice in Lab, they will use different practical programs	<ul style="list-style-type: none"> <li>• Illustration Method</li> <li>• Discussion Method</li> <li>• Brain storming Method</li> </ul>	Black board , chalk , duster, pointer, computer system, Python software

			<p>attributes, additional functionality ,series objects attributes, operations on series Object etc.</p>	<p>related to Series understand the concepts ,</p> <p>Creating Series objects and perform different operations on objects etc.</p>		
	WEEK –II	Data Handling using PANDAS-I	<p>DataFrame (creating , displaying ,attributes, accessing, modifying rows columns, renaming columns</p>	<p>Students will practice in Lab, they will use different practical programs related to DataFrame attributes</p> <p>and different methods</p> <p>Accessing data from dataframes (including slicing)</p> <p>Modifying and deleting data in data frame etc.</p>	<ul style="list-style-type: none"> <li>• Illustration Method</li> <li>• Demonstration Method</li> <li>• Brain storming Method</li> </ul>	Course book
	WEEK K-III	Data Handling using PANDAS-I	<p>Pandas Series Vs Numpyndarray, Pandas Vs Series Object, Pandas Vs dictionary, arithmetic operations on Dataframe</p>	<p>a. Team Based Time Bound Exercise using different topics.</p> <p>b. Using arithmetic operation on data frame Students will do</p>	<ul style="list-style-type: none"> <li>• Brain Storming</li> <li>• Discussion Method</li> </ul>	
		Data Handling using	<p>Importing and exporting data between CSV files and DataFrames</p>			

	WEE K-IV	PANDAS-I		practical to import and export data using CSV and DataFrame	<ul style="list-style-type: none"> <li>• Illustration Method</li> </ul>	
May	WEE K-I	Data Handling using Pandas-II	Sorting a dataframe, Altering index, other dataframe operations	<p>Students will do practical related to different topics</p> <ol style="list-style-type: none"> <li>1. Time Bound Team Based Exercise related to different topics and other practical</li> <li>2. Plotting different plots using different plot methods</li> </ol>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Demonstration Method</li> </ul>	White board, marker,duster, pointer,computer system, Python software,course book
	WEE K-II	Plotting Data using MatplotlibPy plot	Line chart Different attributes			
	WEE K-III		Bar chart, Histogram Different attributes			
	WEE K-IV		Customizing the plot with different attributes			
June		Summer Break				

July	WEE K-I	Querying and SQL functions	Database concepts(Database, Relational database, RDBMS, Benefits of RDBMS, Relation /Table, key, Primary key, Candidate key, Alternate Key),Classification of SQL statements, MYSQL Elements, Creating & Accessing database, creating tables, inserting data into tables, function in MYSQL (String	1. Students will practice in Lab they will use different commands in their queries with the help of practical like:	<ul style="list-style-type: none"> <li>Lecture cum Illustration Method</li> <li>Discussion Method</li> </ul>	Black board , chalk , duster, pointer, computer system, database software,  Course book
	WEE K-II	Querying and SQL functions	Functions : (concat, length,substr, instr, trim, ltrim, rtrim, left ,right )	2. Creating database and tables. 3. Display those records from employee table whose name starts with 'A' alphabet. 4. Display Annual salary of employees who are in department 20. 5. Add one more column Address in employee table. 6. Arrange the information in table in descending order by their name. etc.		
	WEE K-III		Numeric Functions :  (round,truncate,s qrt, mod, pow, sign) ,			
	WEE K-IV		Date & Time functions  Making simple queries using Alter Table,			

			Select, Describe, Where, Order By, Between, In, Like, Update, Delete etc.			
August	WEE K-I	Querying using SQL (Group By) , and SET operations	Aggregate functions (Max, Min, Avg,Sum,Count) Aggregate functions and null values		<ul style="list-style-type: none"> <li>Lecture cum Illustration Method</li> <li>Demonstration method</li> </ul>	White board, marker,duster, pointer,computer system, database software,course book
	WEE K-II		Group by , Having, Displaying data from multiple tables,	<ol style="list-style-type: none"> <li>Team Based Time Bound Exercise using different topics.</li> <li>Using group functions</li> <li>Differentiate scalar and group functions</li> <li>Using set operations</li> </ol>		
	WEE K-III	Querying using SQL (Group By) , and SET operations	Cartesian product or cross join of tables, Equi join, set operations(Union , Intersection,Minu s)	Team Based Time Bound Exercise using different topics using set operations		
	WEE K-IV					
Sept.		Revision & Half yearly Examination				
Oct.	WEE K-I	Internet and Web	Introduction, types of networks,	<ol style="list-style-type: none"> <li>Find the IP address of at least five computers in School.</li> <li>Find the name of Internet Service</li> </ol>	<ol style="list-style-type: none"> <li>Interactive Lecture Method</li> <li>Demonstration Method</li> </ol>	White board, marker,duster, pointer,computer system , internet explore software, course book

	WEE K-II		network deives,	Provider of your School.		White board, marker,duster, pointer,computer system , internet explore software,
	WEE K-III		Networking topologies,	1. Search on internet about the features of mySQL and Netbeans.	• Lecture cum Discussion Method	course book
	WEE K-IV		The internet, applications of internet, website, web page, web server, hosting of a website, browser,chat ,VOI P	2. Know about your school website host server 3. Make list of 5 websites and 5 webportals 4. Perform browser settings	• Illustration Method	
Nov.	WEE K-I	Societal impacts	Introduction, digital footprints, digital society and netizen	1. Search online pictures	• Lecture cum Illustration Method	White board, marker, duster, Computer system, internet, flash cards ,pointer, course book
	WEE K-II		Creative commons, cyber crime	2. Create a power point presentation using some pics, and videos in it and give reference of used contents in it (i.e. search from internet)	• Brain Storming	
	WEE K-III		Indian information technology Act			
	WEE K-IV		E-waste : Hazards and management, Impact on health	3. Create a chart or power point presentation on CC commons		

Dec.	WEE K-I  WEE K-II	Data Protection  (Syllabus completion )	Threats to data  Data protection solutions	Time Bound Team Based activity related to different topics	<ul style="list-style-type: none"> <li>Lecture Illustration Method</li> <li>Brain Storming</li> </ul>	White board, marker, duster, pointer, Internet , course book
Jan.		Revision & Pre-boardxams.				
Feb.		Practicals				

SUBJECT - TYPOGRAPHY AND COMPUTER APPLICATION

MONT H	WEEK	TOPIC	SUB TOPICS	ACTIVITIES	METHODOLOGIES	INSTRUCTIONAL/ TEACHING AIDS
April	Week -I	Corresponden ce	Introduction, Business Corresponden ce, Styles of Typewriting letters(Indente d style, Block style /fully blocked style, Semi- Block style, Modified Block style, Hanging style ,Official Correspondenc e, Office Memorandum, Office Order, Demi- Official letter(DO) , Office Note.	Write business letters using  Different styles of typewriting  Letters.	<ul style="list-style-type: none"> <li>Lecture cum Illustration Method</li> <li>Discussion Method</li> <li>Brain Storming</li> </ul>	Computer system with MS-Word,  White board , marker, pointer,  duster, course book
	Week -II	Manuscripts	Introduction, Meaning, Proof correction symbols,	Typewrite a fair copy of the Manuscript o computer by incorporating the correction.	<ul style="list-style-type: none"> <li>Lecture cum Discussion Method</li> <li>Demonstration Method</li> <li>Lecture cum Discussion Method</li> <li>Illustration Method</li> <li>Brain Storming</li> </ul>	Computer system with MS word, White board ,

May	Week -III	Excel	<p>procedure of preparing a fair copy of the manuscript</p> <p>Introduction, Starting Excel, Components of Excel window, workbook and worksheet, (Opening, saving and printing a workbook), navigating the worksheet.</p> <p>Editing excel : Selecting cells and ranges, editing data, modifying a worksheet , Adding worksheets, rows and columns, Resizing rows and columns, moving and copying cells, freeze pane, Find and Replace data, Auto fill.</p>	<p>Prepare salary sheet by using</p> <p>Sum, min and max functions.</p> <p>Save and print the same sheet</p>		<p>marker, pointer, duster, flash cards</p> <p>course book</p>
	Week -IV	Excel	<p>Formatting Worksheets: Formatting cells, Formatting rows and columns, Formatting text, Formatting worksheets using Styles Toolbar, Auto</p>	<p>Prepare a report related to</p> <p>Sales of salesman using different functions and</p> <p>display pictorial representation of same.</p>	<ul style="list-style-type: none"> <li>• Lecture Method</li> <li>• Discussion Method</li> <li>• Demonstration Method</li> </ul>	<p>Computer system , MS-Excel. White board , marker, pointer, duster</p>



	Week -IV		<p>email, Sending an email with attachment,</p> <p>Formatting text.</p> <p>E-mail actions- Reading an email, replying an email, forwarding an email, printing an email and deleting an email. Adding a signature.</p> <p>Creating folders/ labels for archiving emails.</p>	<p>two attachments.</p> <p>Download attachment from your inbox. etc</p>		
June		<p>Summer</p> <p>Break</p>				
July	Week -I	Power Point	<p>Power Point Presentation: Starting PowerPoint, Creating a presentation, Opening an existing presentation. Viewing slides- NormalView, Slide Sorter View, Notes Page, Slide Show.</p> <p>Working with slides- Adding a slide, deleting a slide, Adding text, moving a text box, format text.</p>	<p>Prepare a PPT's on different topics ( Digital India, Demonetization, Save Earth, Mahatma Gandhi, Missile Man Dr. APJ Abdul Kalam , Smart city etc.)</p>	<ul style="list-style-type: none"> <li>• Demonstration Method</li> <li>• Lecture cum Discussion Method</li> </ul>	<p>Computer system , MS- Power Point. White board , marker, pointer, duster</p>

Week -II		Computer Virus	<p>Adding WordArt, Format WordArt. Adding shapes, image and clipart. Adding theme to slide, changing the background. Formatting presentation using slide master. Objects and Animation: Creating Custom Animation Effects for objects, Modify Animation effects, Create a Slide Transition, Change the order of the slide, Slide Show Options, Rehearse Timing</p>		<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	
Week -III			<p>Computer Virus, Computer virus versus Biological virus, Computer virus classification– Boot sector virus, Companion virus, E-mail</p>		<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	

	Week -IV		<p>virus, Logic Bomb, Macro virus, Cross-site scripting virus, Worm, Trojan Horse.</p> <p>Effects of computer virus, the vulnerability of operating systems to virus, protection from virus and use of popular antivirus software.</p>			
Aug.	Week -I	Communication Skills-IV	<p>Session 1- Active Listening</p> <p>Session 2 -Parts of Speech</p>	<p>1. Demonstration of the key aspects of becoming active listener</p> <p>Telephone Game</p>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> <li>• Role Play Method</li> </ul>	White board , marker, pointer, duster , facial expression chart
	Week -II	Green Skills-IV	<p>Session 3 - Writing Sentences</p>	<p>2. Preparing posters of steps for active listening</p>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	White board , marker, pointer, duster, flash cards
	Week -III		<p>Session 1 - Green Jobs</p>	<p>1. Listing of green jobs and preparation of posters on green job</p>		

	Week -IV		Session 2 - Importance of Green Jobs	<p>profiles</p> <p>2. Prepare posters on green jobs</p> <p>3. Motivate students to plant a tree.</p> <p>4. Motivate students to buy energy efficient products etc.</p>		
Sep.		Half Yearly Exams.				
Oct.	Week -I	ICT skills -IV	Session 1 - Getting Started with Spreadsheet	1. Demonstration and practice on the following:	<ul style="list-style-type: none"> <li>Lecture cum Discussion Method</li> <li>Demonstration Method</li> </ul>	White board , marker, pointer, duster, computer system , open office
	Week -II		Session 2 - Performing Basic Operations in a Spreadsheet	<ul style="list-style-type: none"> <li>➤ Introduction to the spreadsheet application</li> <li>➤ Listing the spreadsheet applications</li> </ul>		
	Week -III		Session 3 - Working with Data and Formatting Text	<ul style="list-style-type: none"> <li>➤ Creating a new worksheet</li> <li>➤ Opening the workbook and enter text</li> </ul>		
			Session 4 - Advanced Features in Spreadsheet	<ul style="list-style-type: none"> <li>➤ Resizing fonts and styles</li> <li>➤ Copying and move the cell data</li> </ul>		
			Session 5 - Presentation Software			
			Session 6 - Opening, Closing, Saving			

Week -IV		<p>and Printing a Presentation 7.</p> <p>Session 7 - Working with Slides and Text in a Presentation</p> <p>Session 8 Advanced Features used in Presentation</p>	<ul style="list-style-type: none"> <li>➤ Sorting and Filter the data</li> <li>➤ Applying elementary formulas and functions</li> <li>➤ Saving the spreadsheet in various formats</li> </ul> <p>2. Demonstration and practice on the following:</p> <p>Listing the Software, packages for presentation, Explaining the features of presentation, Creating a new Presentation, Adding a slide to Presentation., Deleting a slide, Entering and edit text, Formatting text, Inserting clipart</p>		
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				and images, Sliding layout,		
Nov.	Week -I  Week -II  Week -III Week -IV	Self Management Skills –IV	Session 1 - Motivation and Positive Attitude  Session 2 - Result Orientation  Session 3- Self-awareness  Session 4	1. Group discussion on identifying needs and desire  2. Discussion on sources of motivation and inspiration  3. Demonstrate the knowledge of different personality types	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	White board , marker, pointer, duster
Dec.	Week -I  Week -II	Entrepreneurial Skills-IV          (Syllabus completion )	Session 1- Entrepreneurship and Entrepreneur  Session 2 Barriers to Entrepreneurship  Session 3 Entrepreneurial Attitudes  Session 4 Entrepreneurial Competencies	1. Administering self rating questionnaire and score responses on each of the competencies  2. Collect small story/ anecdote of prominent successful entrepreneurs  3. Identify entrepreneurial competencies	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> <li>• Brain Storming</li> </ul>	White board , marker, pointer, duster, flash cards

				<p>reflected in each story and connect it to the definition of behavioral competencies</p> <p>4. Preparation of competencies profile of students</p> <p>5. Games and exercises on changing entrepreneurial behavior and development of competencies for enhancing self-confidence, problem solving, goal setting, information seeking, team building and creativity</p>		
Jan.		Revisions + Pre-Board Exams.				
Feb.		CBSE Practical + CBSE BOARD Exams				

### **SUBJECT - Economics**

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
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APRIL	<b>Part A: Macro Economics</b>	*Meaning of macroeconomics*Significance of macroeconomics *Classification of goods *Concept and components of consumption expenditure *Concept of investment *Concept of depreciation, stock and flow *Sectors of the Economy and Intersectoral flows	Problem solving discussion	*Draw a circular flow of income in 2 sector Economy on A4 size sheet *Make a list of some stock and flow variables *Make a Map and mention India's Domestic Territory *Draw a pie chart on Occupational Structure on the eve of Independence	Chalk Duster Green board Educomp NCERT Textbooks
Week 1	Ch.1--Introduction				
Week 2	Ch.2 –Some Basic concepts of Macro				
Week 3	Ch. 3—Money	*C-C economy and its problem *Types of money *Money supply and its measures			
	<b>Part B: Indian Economic Development</b>				
Week 4	Ch.1- Indian Economy on the Eve of Independence	*Overall features of Indian economy on the eve of Independence *State of Agricultural sector, Industrial sector, Foreign trade *Demographic profile * Positive and negative impacts of Britishers on Indian economy			
MAY		* Five year plans in India *Goals of planning in India *Achievement of the goals *Agriculture land reforms	Interactive lecture method	*Make a chart on all the five year plans and their principal	Chalk Duster Green board Educomp NCERT Textbook
Week 1	Ch. 2 Five Year Plans in India				
Week 2	Ch.3.Agriculture Industry and Trade				

Week 3	Ch. 6 Banking	<ul style="list-style-type: none"> <li>*Gains of Green revolution</li> <li>*limitations of Green revolution</li> <li>*industry, small scale industries</li> <li>*Silent features of growth strategy</li> <li>*Central Bank and its functions</li> <li>*Monetary policy and its instruments</li> <li>*Credit creation process by commercial banks</li> </ul>	Problem Solving and Case Study Method	<ul style="list-style-type: none"> <li>objective s</li> <li>* debate on good and bad impact of the strategy of industrialisation</li> <li>*Collect some pictures of ancient and modern form of money and paste it on a chart</li> </ul>	
Week 4	Ch-3 National Income and Related Aggregates	<ul style="list-style-type: none"> <li>*Concept of national income domestic and national income</li> <li>*Gross and net domestic products</li> <li>*Aggregates related to national income</li> <li>*Nominal and real GDP</li> <li>*GDP and welfare</li> </ul>			
JUNE	SUMMER BREAK		Interactive Explanation Method		
JULY					
Week 1	Ch-4Economic Reforms Since 1991	<ul style="list-style-type: none"> <li>*Meaning of economic reforms</li> <li>*Privatisation</li> <li>*Globalisation*</li> <li>Liberalisation</li> <li>*Critical appraisal of NEP</li> <li>*Concept of demonetisation and GST</li> </ul>		<ul style="list-style-type: none"> <li>*Group discussion on advantages and disadvantages of Globalisation</li> </ul>	

Week 2	Ch.7 Aggregate Demand and Aggregate Supply and Related Concepts	<ul style="list-style-type: none"> <li>*Aggregate demand and its components</li> <li>*Consumption function ,Saving function</li> <li>*APC,MPC,APS ,MPS</li> </ul>	Problem Solving and Discussion Method	<ul style="list-style-type: none"> <li>Draw break even point on a A4 sheet</li> <li>*Draw the diagrams of under employment equilibrium and over full employment equilibrium on a chart</li> <li>* make a flowchart of instruments of monetary and fiscal policy</li> </ul>	Chalk Duster Green board Educomp NCERT Textbook
Week 3	Ch. 8 Short Run Equilibrium Output	<ul style="list-style-type: none"> <li>*AD -AS Approach</li> <li>*Saving-Investment Approach</li> <li>*Derivation of saving curve and consumption curve</li> <li>*Investment Multiplier</li> </ul>			
Week 4	UT 1				
AUG. Week 1	Ch.6 Human capital Formation in India	<ul style="list-style-type: none"> <li>*Sources of human capital formation</li> <li>*Significance and problems of human capital formation</li> </ul>	<ul style="list-style-type: none"> <li>Discussion Method</li> <li>Interactive lecture Method</li> </ul>	<ul style="list-style-type: none"> <li>*Collect some pictures of channels of alternative marketing and make a collage</li> </ul>	Green board Educomp NCERT Textbook
Week 2	Ch.7 Rural Development	<ul style="list-style-type: none"> <li>*Rural credit and agricultural marketing</li> <li>*Role of cooperative agriculture diversification</li> <li>*Emerging challenges ,organic farming</li> </ul>	Problem Solving Method		

Week 3	Ch. 9 Problem of Excess and Deficient Demand	*Causes and consequences of excess and deficient demand *Measures to correct excess and deficient demand- government spending taxes and money supply	Problem Solving Method		
Week 4	Ch.4 Methods of Calculating National Income	*Value added method *Problem of double counting*Classification of factor income *Precautions regarding income method expenditure method ,Concept of GNP,GDP,NDP at MP and FC GDP and welfare			
SEPT.	REVISION AND	HALF YEARLY EXAMS	.....		
OCT. Week 1	CH – Employment	*labour supply labour force, work force *Rate of participation *Occupational structure *Casualisation and informalisation of workforce	Problem solving Discussion  Interactive lecture Method	*QuizOn different types of taxes  Group discussion on Gold Standard and Bretton wood System of	Chalk Duster Green board Educomp NCERT Textbook
Week 2	Ch.10 Government Budget	*Objectives of government budget *structure of budget *Budget			

Week 3	Ch. 11 Foreign Exchange Rate	deficit*Balanced and unbalanced budget  *Flexible and fixed exchange rate *Managed floating *Components of demand and supply for foreign exchange	Problem solving Discussion	Exchang rate	
Week 4	Ch.10 Environment and Sustainable Development	*Environment and significance of environment*Su stainable development and strategies, global warming	Interactive Explanation Method		
NOV					
Unit test					
Week 2	Ch.12 Balance of Payment	*Components of BOP account *equilibrium and discipline *Balance and Imbalance in BOP*Significance of BOP	Interactive Explanation and Case Study Method		
Week 3	Ch.11 Comparative Development Experience of India and it's Neighbour	*Path of development of India China and Pakistan *Experience and achievements of India, China and Pakistan*Developm ent Strategies and appraisal and conclusion	Story Telling Method and Interactive lecture Method	*Compar e the growth strategies of India, China and Pakistan and make a chart of	Green board Educomp NCERT Textbook



	<b>DETERMINANT</b>	Determinant of a square matrix, properties, minors, cofactors and application of determinants in finding area of a triangle, adjoint and inverse, consistency, inconsistency, no. of solutions of linear equation on in two variable using inverse	Make a ppt/ diagram to show determinant and its properties		
MAY WEEK 1 WEEK 2	<b>CONTINUITY AND DIFFERENTIABILITY</b>	Continuity and differentiability chain rule, derivatives of inverse trigonometric, implicit functions ,concept of exponential and logarithmic function ,second order derivative,	To verify rolle's theorem . 1. show what is continuity through representation of any curve		
MAY  JULY	<b>APPLICATIONS OF DERIVATIVES</b>	Rate of change of bodies, increasing/decreasing functions, maxima and minima, simple problems basic principles and understanding of the subject as well as real life situation	1. To show the concept of decreasing and increasing function through data analysis /CURVE 2 . To show the concept of absolute max. and minimum through graphics 3. To construct an open box of max. volume from a given rectangular sheet by cutting equal square from each corner	Inductive approach, Discovery Method	Chalk board, Duster, Smart Class
WEEK 1 WEEK 2	<b>Integrals</b>	Integration as inverse process of differentiation. integration by substitution, different forms of integration, definite, basic properties of definite integrals and evaluation of definite integrals,			

		fundamental theorem of calculus (without proof).	Make a beautiful chart of all the formulas of integrations		
UNIT TEST					
JULY WEEK 3 WEEK 4	<b>APPLICATIONS OF THE INTEGRALS</b>	Application in finding the area under simple curves, especially lines, circles/parabola /ellipse (in standard form only), definition, order definition ,order and degree, general and particular solutions of a differential equation formation of differential equation by method of separation ,solution of homogenous differential equation ,solution of linear differential equation $dy/dx+py=q$ and $dx/dy+px=q$	1.Draw beautiful diagram of parabola and line 2.Ellipse and line to show area under curve 3.2 circle and shaded region that contain common area through equation of circle	Explanation, Brain storming	Chalk board, Duster, Smart Class
AUGUST WEEK 1 WEEK 2	<b>DIFFERENTIAL EQUATIONS</b>			Explanation, Brain storming	
SEPTEMBER	Revision and Half Yearly Exams				
OCTOBER WEEK 1	<b>VECTORS</b>	Vectors and scalars, magnitude ,direction of vector,direction ratio and cosines ,types of vectors,component ,addition and subtraction of vectors,properties of dot product and cross product,application of scalar product , vector product, geometrical interpretation	1. To verify geometrically that vector $c \times (a+b) = c \times a + c \times b$	Discovery Method, Problem Solving,	Chalk board, Duster, Smart Class, Models
WEEK 2					
WEEK 3 WEEK 4	<b>Three-dimensional Geometry</b>	Direction cosines and direction ratio of a line joining two points, Cartesian equation and vector equation of line ,shortest distance,angle between two lines,skew lines.	1. Find the shortest distance between two skew lines	Explanation, Problem Solving	
NOVEMBER WEEK 1 WEEK 2	<b>Linear programming</b>	Introduction, related terminology such as constraints,objective	Project : To minimize the cost of food ,meeting the dietary	Project, Discussion , Problem Solving,	Chalk board, Duster,

WEEK 3 WEEK 4	<b>PROBABILITY</b>	function, optimization, different types of L.P ,mathematical formulations of l.p, graphical method of solution for problem in two variable ,feasible and infeasible solutions, optimal feasible solutions	requirements of staple food of the adolescent student of your school		Smart Class
DECEMBER	<b>PROBABILITY</b>	Conditional probability, multiplication theorem, independent event, total probability, bayes theorem	Random variable and its probability distribution, mean of random variable.	1.To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice. 3.Show outcomes of coin ,dice, cards through diagram or real objects	Problem Solving, Explanation Chalk board, Duster, Smart Class
JANUARY	Pre-board 1				
FEBRUARY	REVISION AND ANNUAL EXAMS				
MARCH	ANNUAL EXAMS				

**Subject: -Psychology**

Month	Week	Topic	Sub -Topic	Teaching Aids
April	Week -1	<b>Variations in Psychological Attributes</b> <b>The topics in this unit are:</b>	<b>1. Introduction</b> <b>2. Individual Differences in Human Functioning</b> <b>3. Assessment of Psychological Attributes.</b>	Blackboard, Chalk , Duster, Course Book

		<b>1</b> <b>Psychology?</b>		
	Week - 2		<b>4. Intelligence</b> <b>5. Psychometric Theories of Intelligence, Information</b> <ul style="list-style-type: none"> <li>• <b>Processing Theory: Planning, Attention-arousal and</b></li> <li>• <b>Simultaneous successive Model of Intelligence,</b></li> <li>• <b>Triarchic Theory of Intelligence; Theory of Multiple</b></li> <li>• <b>Intelligences.</b></li> </ul>	
	Week -3		<b>6. Individual Differences in Intelligence</b> <b>7. Culture and Intelligence</b> <b>8. Emotional Intelligence</b>	
	Week -4		<b>9. Special Abilities: Aptitude: Nature and Measurement</b> <b>10.Creativity</b>	
May	Week - 1	<b>Self and Personality</b>	<b>1. Introduction</b> <b>2. Self and Personality</b>	Blackboard, Chalk , Duster, Course Book
	Week -2		<b>3. Concept of Self</b> <b>4. Cognitive and Behavioural aspects of Self Psychology.</b>	
	Week -3		<b>5. Culture and Self</b> <b>6. Concept of Personality</b>	
	Week -4		<b>7. Major Approaches to the Study of Personality</b> <ul style="list-style-type: none"> <li>• <b>Type Approaches</b></li> <li>• <b>Trait Approaches</b></li> <li>• <b>Psychodynamic Approach and Post Freudian</b></li> <li>• <b>Approaches</b></li> <li>• <b>Behavioural Approach</b></li> <li>• <b>Cultural Approach</b></li> </ul>	

			<ul style="list-style-type: none"> <li>• ▸ <b>Humanistic Approach</b></li> </ul> <b>8. Assessment of Personality</b> <ul style="list-style-type: none"> <li>• ▸ <b>Self-report Measures</b></li> <li>• ▸ <b>Projective Techniques</b></li> <li>• ▸ <b>Behavioural Analysis</b></li> </ul>	
June			<b>Summer Break</b>	
July	Week-1	<b>Meeting Life Challenges</b>	<b>1. Introduction</b> <b>2. Nature, Types and Sources of Stress.</b>	Blackboard, Chalk, Duster, Course Book
	Week-2		<b>3. Effects of Stress on Psychological Functioning and</b> <ul style="list-style-type: none"> <li>• <b>Health</b></li> <li>• <b>Stress and Health</b></li> <li>• <b>General Adaptation Syndrome</b></li> <li>• <b>Stress and Immune System</b></li> <li>• <b>Lifestyle</b></li> </ul>	
	Week -3		<b>4. Coping with Stress</b> <ul style="list-style-type: none"> <li>• <b>Stress Management Techniques</b></li> </ul>	
	Week -4		<ul style="list-style-type: none"> <li>• <b>5. Promoting Positive Health and Well-being</b> <ul style="list-style-type: none"> <li>▸ <b>Life Skills</b></li> <li>▸ <b>Positive Health</b></li> </ul> </li> </ul>	
August	Week-1	<b>Psychological Disorders</b>	<b>1. Introduction</b> <b>2. Concepts of Abnormality and Psychological Disorders</b> <ul style="list-style-type: none"> <li>▸ <b>Historical Background</b></li> </ul>	Blackboard, Chalk, Duster, Course Book
	Week-2		<b>3. Classification of Psychological Disorders</b> <b>4. Factors Underlying Abnormal Behaviour</b>	
	Week-3		<b>5. Major Psychological Disorders</b> <ul style="list-style-type: none"> <li>▸ <b>Anxiety Disorders</b></li> <li>▸ <b>Obsessive-Compulsive and Related Disorders</b></li> <li>▸ <b>Trauma-and Stressor-Related Disorders</b></li> </ul>	

			<ul style="list-style-type: none"> <li>▪ <b>Somatic Symptom and Related Disorders</b></li> <li>▪ <b>Dissociative disorders</b></li> <li>▪ <b>Depressive Disorder</b></li> <li>▪ <b>Bipolar and Related Disorders</b></li> </ul>	
	Week-4		<ul style="list-style-type: none"> <li>▪ <b>Schizophrenia Spectrum and Other Psychotic Disorders</b></li> <li>▪ <b>Neurodevelopmental Disorders</b></li> <li>▪ <b>Disruptive, Impulse-Control and Conduct Disorders</b></li> <li>▪ <b>Feeding and Eating Disorders</b></li> <li>▪ <b>Substance Related and Addictive Disorders.</b></li> </ul>	
September	Revision		Half Yearly	
October	Week- 1	<b>Therapeutic Approaches</b>	<p><b>1. Nature and Process of psychotherapy</b></p> <ul style="list-style-type: none"> <li>▪ <b>Therapeutic relationship</b></li> </ul> <p><b>2. Types of Therapies</b></p> <ul style="list-style-type: none"> <li>▪ <b>Behaviour Therapy</b></li> <li>▪ <b>Cognitive Therapy</b></li> <li>▪ <b>Humanistic-Existential Therapy</b></li> <li>▪ <b>Alternative Therapies</b></li> </ul>	Blackboard, Chalk , Duster, Course Book
	Week-2		<p><b>Factors contributing to healing in Psychotherapy</b></p> <ul style="list-style-type: none"> <li>▪ <b>Ethics in Psychotherapy</b></li> </ul> <p><b>3. Rehabilitation of the Mentally Ill</b></p>	
	Week -3	<b>Attitude and Social Cognition</b>	<p><b>1. Introduction</b></p> <p><b>2. Explaining Social Behaviour</b></p>	

			<b>3. Nature and Components of Attitudes</b>	
	Week-4		<b>4. Attitude Formation and Change</b> <ul style="list-style-type: none"> <li>▪ Attitude Formation</li> <li>▪ Attitude Change</li> <li>▪ Attitude-Behaviour Relationship</li> </ul> <b>5. Prejudice and Discrimination</b> <b>6. Strategies for Handling Prejudice.</b>	
November	Week -1	<b>Social Influence and Group Processes</b>	<b>1 Social Influence and Group Processes</b> The topics in this unit are: <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Nature and Formation of Groups</li> </ol>	Blackboard, Chalk, Duster, Course Book
	Week-2		<b>3. Type of Groups</b> <b>4. Influence of Group on Individual Behaviour</b> <ul style="list-style-type: none"> <li>▪ Social Loafing</li> <li>▪ Group Polarisation.</li> </ul>	
	Week-3	Practical	<b>5. Practical 30 Marks</b> <b>A. Development of case profile:</b> Using appropriate methods like interview, observation & psychological tests.	
	Week-4		<b>B. Test administration:</b> Students are required to administer and interpret five	

			<b>psychological tests related to various psychological attributes like intelligence, aptitude, attitude, personality, etc..</b>	
DECEMBER to MARCH	Revision	<b>Preboard</b>	Annual examination	

### SUBJECT - Political Science

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
APRIL Week-1	<b>Part A:</b> Contemporary world Politics 1—The end of Bipolarity	*Introduction of the World politics *The End of Bipolarity *Disintegration of Soviet Union, Unipolar World, *Middle East Crisis – Afghanistan,	Lecture Method	*Group discussion on Middle east crisis.	Chalk Duster Green board Educomp NCERT Textbooks
Week-2	Remaining part of The end of Bipolarity	*Gulf War, *Democratic Politics and Democratization – CIS and the 21st Century (Arab Spring).		*Make a flow chart related to the CIS countries	
Week-3	Challenges of nation building	*Nation and Nation Building. *Sardar Vallabh Bhai Patel and Integration of States. *Nehru’s approach to nation-building;	Problem solving Discussion Method	*Draw a portrait of Sardar Vallabh Bhai Patel *Make project on legacy of partition	
Week-4	Remainig part of Challenges of nation building s	*Legacy of partition: challenge of ‘refugee’ *Resettlement, the Kashmir problem. Political conflicts		*Show the states carved on the basis of language	

		over language. *Linguistic Organisation of States.	Discussion and lectures Method		
MAY Week-1	2.New centers of power	*Organizations: European Union, ASEAN, SAARC, BRICS. Nations: Russia,	Interactive lecture method	*Make a chart on ASEAN, SAARC,  * debate on good and bad impact of the new centres of power	Chalk Duster Green board Educomp NCERT Textbook
Week -2	Remaining part of New centers of power	*China, Israel, India, Japan and South Korea.			
Week-3	Ch-2.Planned Development	*Changing nature of India's Economic Development *Planning Commission	Lecture Method	*Group discussio n on the importan ce of planning * write about NITI Aayogon A-4 sheet	
Week-4	Remaining part of Planned Development	*Five Year Plans, National Development Council, * NITI Aayog			
JUNE	SUMMER	BREAK			
JULY UNIT TEST -1 Week-1	3. Contemporary South Asia	Conflicts and efforts for Peace Democratization in South Asia:	Lecture and explanation Method	Make a collage on different cultures of south Asia * Make a project on conflicts in south Asia	
Week-2		Pakistan, Nepal, Bangladesh, Sri Lanka, Maldives.			Chalk, duster, Map,educomp
Week-3					

<p>Week-4</p>	<p>3. India's India's foreign policy</p>	<p>Principles of Foreign Policy; India's Changing Relations with Other Nations: US, Russia, China, Israel;</p> <p>India's Relations with its Neighbours: Pakistan, Bangladesh, Bhutan, Nepal, Sri Lanka and Myanmar; India's Nuclear Programme.</p>	<p>Interactive Explanation Method</p>	<p>*Collect pictures related to the wars fought by India * Debate on the role of Indian leaders in shaping its foreign policy</p>	<p>NCERT TEXTBOOK</p>
<p>AUG. Week-1</p>	<p>United Nations and its Organizations</p>	<p>Principal Organs, Key Agencies: UNESCO, UNICEF, WHO, ILO,</p>	<p>Discussion And lecture Method</p>	<p>*Debate on the role of UN in crucial matters</p>	
<p>Week-2</p>		<p>Security Council and the Need for its Expansion.</p>		<p>* Speech preparation related to the organs of UN.</p>	
<p>Week-3</p>	<p>4. Parties and Party system in India</p>	<p>One Party Dominance, Bi-Party System,</p>	<p>Discussion and problem Solving Method</p>	<p>*Draw the sketch of J.L.Nehru</p>	<p>NCERT Textbook, educomp, chalk, duster</p>
<p>Week-4</p>		<p>Multi-Party Coalition System. Congress restoration</p>		<p>* discussion on the benefits and drawbacks of multi party system</p>	
<p>SEPT</p>	<p>REVISION AND HALF YEARLY</p>	<p>EXAM</p>			

OCT. Week-1	5.Security in the Contemporary world	Security, Meaning and type, Terrorism	Discussion Method	*Group discussion on the measures of peace keeping policies	NCERT Textbook, chalk,duster Map, Educomp
Week-2		Non tradition notion of security		Write about Ram Manohar lohia'a socialism on A-4 sheet	
Week-3	5.Democratic resurgence	Jaya Prakash Narayan and Total Revolution, Ram Manohar Lohia and Socialism, Pandit Deendayal Upadhyaya and Integral Humanism, National Emergency, Democratic Upsurges – Participation of the Adults, Backwards and Youth.	Explanation and interactive Method	*Group discussion about the marginalized people's rights	
Week-4				*Make a chart on global warming *Make a collage on the conservation of Natural resources	
NOV Unit-test 2 Week-1	6.Environment and Natural Resources	*Environmental Movements, Global Warming and Climate Change, Conservation of Natural Resources.	Problem Solving Method	*Debate on different Crisis happened in India	
Week-2	6. Regional aspirations	Rise of regional parties. Punjab Crisis. The Kashmir Issue, Movements for Autonomy.	Problem Solving and interactive Method		
Week-3	7.Globalization				

NOV. Week-4	7.Indian Politics:Recent trends and Development	Globalization:Mean ing, Manifestation and debates	Interactive Explanation Method	*write about the Measures by which India can remain United	
DEC. Week-1		Era of Coalitions, National Front, United Front,	Lecture Method	*Group discussio n on	
Week-2		United Progressive Alliance (UPA) – I & II,  National Democratic Alliance (NDA) I, II, III & IV, Issues of Development and Governance.		advantag es and disadvant ages of Globalisa tion	
JAN &FEB	WINTER BREAK  Revision and Final	EXAM		*Debate on the Era of coalition *make a flow chart of coalition govt.	



पुस्तक - आरोह-2, बितान-2  
जनसंचार अभिव्यक्ति और माध्यम

माह/सप्ताह	पुस्तक	पाठ	क्रिया कलाप
अप्रैल 1 सप्ताह	आरोह शब्द खंड	* भक्ति * काले मेघा पत्नीदे	* (1) अपनी कल्पना से भक्ति का चित्र शीट पर बनाएं। (2) महादेवीवर्मा ने अपने घर में अनेक पालतू जानवरों को पाल रखा था। आपको जो भी पालतू पशु पसंद हो उनका चित्र बनाएं और उनका नामकरण भी कीजिए। (3) भक्ति की स्वामी भक्ति की तुलना हनुमान जी से की गई है। जिस प्रकार हनुमान जी की मरण राम के प्रति अग्रद्वारा श्रद्धा थी वैसी ही भक्ति की महादेवी के प्रति। इस श्रद्धाभाव को चित्र के माध्यम से व्यक्त कीजिए।
2 "	"	* बाजार दर्शन	* (1) पानी के विभिन्न स्त्रोतों का एक कोलज बनाइए। (2) अपनी कल्पना से मैडकमंडल का चित्र बनाइए। (3) एक आकर्षक पोस्टर तैयार कीजिए जिसमें पानी बचाओं से संबंधित स्लोगन हों।
3 "	"	पाठ - 3	* (1) मनी बैंग या पैसों की पोटली का चित्र बनाइए। (2) किसी भी बाजार (मछली बाजार, कपड़ा बाजार, अनाज बाजार) आदि का पोस्टर बनाइए। (3) भगत जी (बुर्खा बेचने वाले) का चित्र अपनी कल्पना से बनाइए।
4 "	पत्रकारिता		
मई 1 सप्ताह	शब्द खंड		* (1) 'बहलवान की ढोलक' पाठ के आधार पर

माह/सप्ताह	पुस्तक	पाठ	क्रिया कलाप
II	सातह वितान	सिल्वर वैडिंग	पहलतान और उसकी दोलक का चित्र बनाइए।
III	" पत्रकारिता	पाठ-4	(2) महागरी के दृश्य का वर्णन चित्र बॉर्नी में कीजिए।
IV	" स्वनात्मरूप अपठित गुरुगोश पदगोश		(3) सूर्योदय और सूर्यास्त के दृश्य को अपनी कल्पना शक्ति के रंगों से साकार रूप दीजिए।
<b>जून-3</b> श्रीधामावकाश			
<b>जुलाई</b>			
I	काव्यखंड	* आत्मपरिचय पतंग	* (1) अपनी कल्पना से एक चित्र बनाइए जिसमें व्यक्ति को झिल और अका हुआ प्रतीत हो।
II		पाठ-5	(2) कल्पे प्रत्याशा में होंगे, नींदों से झोंक रहे होंगे इस भाव को चित्र के माध्यम से व्यक्त कीजिए। (3) अपनी मस्ती में झूमते हुए दुनिया से बैखबर व्यक्ति का चित्र बनाएँ।
III		कविता/कहानी	* (1) पतंग उड़ते हुए बच्चों का चित्र बनाइए। (2) 'खरगोश की लाल आँखों जैसा सवेरा' इस भाव की अभिव्यक्ति चित्र के माध्यम से करें। (3) आकाश में विभिन्न प्रकार की पतंगें उड़ रही हैं। आकाश बहुत ही मनमोहक लग रहा है, इस दृश्य को अपनी कल्पना के रंगों से साकार रूप दीजिए।
IV		नाटक रचना	
<b>अगस्त</b>			
I	सद्यखंड)		
II	आरौह	* कविता के बहने	* (1) आकाश में उड़ते हुए पक्षियों का चित्र बनाएँ।
III	"	* बात सीधी सी पर	(2) कवि ने कविता में कवि की उड़ान व जिड़िया
IV	वितान	अतीत से दबे पाँव	की उड़ान में जो अंतर बताया है उसे चित्र के माध्यम से व्यक्त करें। (3) अपनी कल्पना शक्ति का प्रयोग करते हुए किसी भी कवि का चित्र बनाएँ।
	पत्रकारिता	पाठ-11	

माह/सप्ताह	पुस्तक	पाठ	क्रिया कलाप
सितंबर	→ अर्द्धवार्षिक परीक्षा		
अक्टूबर	शब्द खंड काल्प खंड	* शिरीष के फूल * कैमरे में बंद अप- हि	(1) गाँधीजी का पोर्ट्रेट बनाइए। (2) शिरीष के फूल का चित्र बनाइए। (3) अपनी कल्पना से एक पोस्टर बनाइए जिसमें विभिन्न प्रकार के फूलों से लदे हुए हल हों।
I	चित्रकारिता वितान	पाठ - 12 जूझ	* (1) एक टी.वी. का चित्र बनाइए जिसमें अपाहिज व्यक्ति का साक्षात्कार लिया जा रहा हो। (2) आपने कभी किसी अपाहिज व्यक्ति को देखा होगा। आप उसकी दशा का वर्णन चित्र के माध्यम से करें। (3) फिर हम परदे पर दिखवाएंगे। फूली हुई आँख की एक बड़ी तस्वीर इस भाव को चित्र के माध्यम से व्यक्त कीजिए।
II			
III			
IV			
नवंबर	शब्द खंड	* भ्रम विभाजन	* (1) हमारी मदद करने के लिए हमारे अनेक सहायक होते हैं, उनका एक कौलेंज बनाइए। (2) भीमराव अंबेदकर का पोर्ट्रेट बनाइए। (3) चित्र के माध्यम से जातीय भेदभाव को समझाइए।
I			* (1) लैंड स्केप बनाइए। (2) प्रातःभलीन सौंदर्य का चित्रण चित्रों के माध्यम से कीजिए।
दिसंबर	काल्प खंड	* अवितावली	(1) तीराम, लक्ष्मण और सीता का चित्र

माह/सप्ताह	पुस्तक	पाठ	क्रिया कलाप
II सप्ताह	काल्प खंड	* लक्ष्मण मूर्च्छा	अपनी कल्पना से बनाएँ। (2) लक्ष्मण
III "	"	छोटा मेरा खेत	जी मूर्च्छित होगा है और तीराम उन्हें
IV "	"	बगुलों के पंख	गोदी में लेकर विलाप कर रहे हैं। इस दृश्य को चित्र के माध्यम से व्यक्त कीजिए।
			* (1) रक्षा बंधन के दृश्य का वर्णन चित्र के माध्यम से करें। (2) दीवाली के दृश्य को पोस्टर पर अंकित करें।
			* (1) अपनी पसंद से प्राकृतिक दृश्य का चित्र बनाएँ। (2) नभ में पाती बंधी बगुलों की पंखें दृश्य को अपनी कल्पना के रंगों से साकार रूप दें।
वनकरी + फरवरी → दीहवाई			