

JAIN VIDYA MANDIR SR. SEC. SCHOOL

Annual planner -2025

English

Class -XI

Month	Particulars	Activity	Teaching Aids	Methodology
April	Literature: R1:Portrait of a Lady R2: We're Not Afraid to Die P1: A Photograph Grammar: Tenses and Verbs	Activity1: Jolt down your relationship with your elders.	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms, etc.	Group Discussion, Class Interaction, Explanation, Demonstration, Collaboration, Lecturing, Reading
May	Literature: R3:Discovering Tut S1 : The Summer of a Beautiful White Horse S2: The Address P2: The Laburnum TopWriting Skills: Advertisement	Activity2: share your experience about village	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Debriefing, Debate, Classroom discussion, enquiry based Lecture, Values Classification, Brainstorming, Demonstration, Problem solving, Reading
June	Summer Break			
July	Literature: P3: The Voice of the Rain Grammar: Reordering, Error-, omission Writing Skills: poster	Activity3: Role Play Activity	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Debriefing, Debate, Classroom discussion, enquiry based Lecture, Values Classification, Brainstorming, Demonstration, Problem solving, Group Discussion, Reading
August	Literature: S5: Mother's Day Grammar: clauses Writing Skills: Speech Writing	Activity4: Role Play Activity	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading
September	Revision and Half-yearly Exams			

October	Literature: R7: The Adventure S6: Birth P4: Childhood Grammar: Transformation of sentences Writing Skills: Debate writing	Activity7: Define the role of a doctor in today's generation	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading
November	Literature: R8: Silk Road S7: The Tale of Melon City P5: Father to Son Grammar: Clauses Writing Skills: Speech writing	Activity6: Frame few lines of poetry	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading
December	Literature: Revision		Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Demonstration, Explanation, Reading, Debate, Problem solving, Reading
January	Revision			
February	Revision/Examination			
March	Examinations			

Subject- Accountancy

Month	Topic	Subtopics	Methodology	Activity	Instructional Aids
APRIL	Part A: Financial Accounting Unit 1: Theoretical Framework Week 1 to week 4	Introduction to Accounting Theory Base of Accounting	Problem solving discussion	Do some imaginary transactions	Green board Educomp NCE RT Textbook
MAY	Unit 2: Accounting Process Week 1 to week 2	process and Bases of Accounting Accounting Standards (IFRS)	Problem solving discussion	Make your own account yerminology	Green board Educomp

	Week 3 to week 4	<p>Recording of Business Transactions (accounting Equation)</p> <p>Recording of Business transaction</p> <ul style="list-style-type: none"> Journal Entry 			NCERT Textbook
JUNE	Summer Break				
JULY	<p>Unit 2: Accounting Process week 1</p> <p>Week 2</p> <p>Week 3 & 4</p>	<ul style="list-style-type: none"> Ledger posting <p>Revision of unit test</p> <ul style="list-style-type: none"> Cash Book Subsidiary books GST (Journal) 	Problem solving discussion	Ask to any vendor about his accounting record method	<p>Green board Educomp</p> <p>NCERT Textbook</p>
AUG.	<p>Part B: Financial accounting II Week 1 & 2</p> <p>Week 3 & 4</p>	<ul style="list-style-type: none"> Bank Reconciliation statement Depreciation Provisions and Reserves Trial Balance and Rectification 	Problem solving discussion	Make your project with 3 months transactions	<p>Green board Educomp</p> <p>NCERT Textbook</p>

		on of errors			
SEPT.	Week 1 & 2	REVISION			
	Week 3 & 4	HALF YEARLY EXAMS			
OCT.	UNIT -3 Final Account Week 1 to week 4	<ul style="list-style-type: none"> Final Accounts : Trading and Profit & Loss Account and Balance Sheet 	Problem solving discussion	Visit to bank and try to gain some knowledge about cheque and passbook etc.	Green board Educomp NCERT Textbook
NOV.	UNIT -4 Week 1 to week 4	<ul style="list-style-type: none"> Revision Unit test - 2 	Problem solving discussion	Comparison of double entry system and single entry system	Green board Educomp NCERT Textbook
DEC.		<ul style="list-style-type: none"> Submission of Project 	Problem solving discussion		Green board Educomp NCERT Textbook
JAN.	Winter break & revision	Revision			
FEB.		Final Exams			

Subject- Business studies

Month	Topic	Subtopics	Methodology	Activity	Instructional Aids
APRIL	Unit-1 Week 1 to 4	Evolution and Fundamental of Business	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
MAY	Unit-2 Week 1 to 4	<ul style="list-style-type: none"> • Forms of Business Organisation 	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
JUNE	Summer Break				
JULY	Unit-3 Week 1 to 4 Unit – 4 Unit - 5	<ul style="list-style-type: none"> • Public, Private and Global Enterprises • Business Services • Emerging modes of business 	Interactive and explanation	Mind map	Green board Educomp NCERT Textbook
AUG.	Unit -6 Week 1 & 2 Unit -7 Week 3 & 4	<ul style="list-style-type: none"> • Social responsibility of a business • Sources of finance 	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
SEPT.	REVISION AND HALF YEARLY EXAMS				

OCT.	Unit-8 Week 1 & 2 UNIT -9 Week 3 & 4	<ul style="list-style-type: none"> • Small Business and Enterprises • Internal Trade 	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
NOV.	UNIT -10 Week 1 to 4	International Business	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
DEC.		Import and export WTO IMF	Interactive And explanation		Green board Educomp NCERT Textbook
JAN.	Winter break	Revision			
FEB.	Revision and	Final Exams	Interactive		

SUBJECT- Economics

Month	Topic	Subtopics	Methodology	Art integrated Activity	Instructional Aids
APRIL Week 1	Statistics for Economics Ch.1 -- Concept of Economics and Significance, scope, and functions of Statistics in Economics	*What is economics ? *What is Statistics? * Importance of Statistics in Economics	Problem solving discussion	Write two such pairs of statistical variables that show cause and effect relationship with each other	Green board Educomp NCERT Textbook

Week 2	Ch.2 -- Collection of Data Part B: Introductory Microeconomics	* Primary and Secondary Sources of Data *Modes of Data Collection			Green board Educomp NCERT Textbook
Week 3	Ch.1- Economics and Economy	*What Economics is about ? *Micro and Macro economics *Positive and normative economics	Lecture method		
Week 4	Ch.2- Central Problems of an Economy	*Nature and types of economy	Problem Solving method	Group discussion on different central problems of any economy	Green board Educomp NCERT Textbook
MAY Week 1	Ch. 3 Census and Sample methods of Collection of Data	*Central problems of an an economy *Production Possibility curve *The concept of opportunity cost *Census method *Sample method *Important sources of secondary data	Problem solving discussion	Group discussion on which method Census or sample would you prefer if you are to study economic conditions of the people in your area?	
Week 2	Ch.4. Organisation of Data Ch.-- 3 Consumer's	*Concept of variable; frequency distribution	Problem solving discussion	Draw the diagram and the	Green board Educomp NCERT Textbook

Week 3	Equilibrium Utility Analysis	*Concept and Measurement of Utility *Law of diminishing marginal utility *Consumer Equilibrium with the help of Utility Analysis	Lecture method And Demonstration Method	table of diminishing marginal utility on A4 size sheet	
Week 4	Ch - 4 Consumer's Equilibrium Indifference Curve Analysis	*Consumer's Equilibrium *Indifference set and indifference curve *Properties of indifference curve *Budget Set, Budget Line	Demonstration Method	Draw the diagrams of rotation and shifting of budget line on a chart	Green board Educomp NCERT Textbook
JUNE	SUMMER	BREAK
JULY	Ch.5 Presentation of Data Textual and Tabular Presentation	Textual presentation Tabular presentation	Problem solving discussion	*A project on - Collect the data, how much teachers cast their votes in your school and show this data with the help of bar diagrams and graphs	Green board Educomp NCERT Textbook
Week 1	Ch.6 Diagrammatic Presentation of data- Bar Diagrams and Pie Diagrams	Bar diagrams and its types Pie or circular diagrams			
Week 2	Ch. 5 Theory of Demand	*Concept of demand and Determinants *Movement	Problem solving and Demonstration method		

Week 3	Ch. 6 Price Elasticity of Demand	and Shifting of demand curve *Demand schedule *Demand curve and its slope	Brain Storming Method	Work Sheets on numericals of calculating price elasticity of demand	Green board Educomp NCERT Textbook
Week 4		*Concept of Elasticity of Demand *Measurement of price elasticity of demand *Percentage change and total expenditure method			
AUG					
Week 1	Ch.7 Frequency Diagrams : Histogram, Polygon and Ogive	*Histogram *Polygon *Frequency curve Ogive	Problem solving discussion	Draw different types of Bar Diagrams and Histogram on a chart	Green board Educomp NCERT Textbook
Week 2	Ch.8 Arithmetic line : Graphs or Time Series Graph	*Construction of a Time series graph, Merits and Limitations	Demonstration Method		
Week 3	Ch. 7 Production Function and Returns to factor Ch. 8 Concepts of Cost	*Concept of production function * Concept of TP, MP and AP *Returns to A factor	Interactive and lecture method Lecture and Demonstration Method	Draw diagrams showing relation between *TC, TVC, TFC	
					Green board Educomp NCERT Textbook

	Ch.10 producer's equilibrium (Deleted)	in different markets Concept of producer equilibrium Conditions of producer's equilibrium			
NOV . Unit test - 2	Ch.11 measures of dispersion (Deleted)	What is dispersion? Methods of measuring dispersion Standard deviation	Problem solving discussion	Worksheets	Green board Educomp NCERT Textbook
Week 2	Ch. 12 Correlation	*Meaning and properties *Scatter Diagram *Karl Pearson methods Two variables; ungrouped data *Spearsman Rank Correlation	Problem Solving Method	Numericals based work sheets	Green board Educomp NCERT Textbook
Week 3	Ch.11 Theory of Supply	Concept of supply	Lecture method	Group discussion on different types of Market with examples	
Week 4	Ch. 12 Forms of Market	Supply schedule Supply curve and its slope Law of supply Perfect Competition and its features	Lecture method		

DEC Week 1	Ch.13 Index numbers	*Meaning, types- *wholesale price index *consumer price index *index of industrial production * uses of index number, inflation and index number	Problem solving discussion	Numericals based work sheets	Green board Educomp NCERT Textbook
Week 2	Ch.13 Market Equilibrium under Perfect Competition and Effects of Shifts in Demand and Supply	*Concept of market equilibrium *Determination of market equilibrium	Interactive and lecture method	Draw the diagrams of price ceiling and price flooring on a chart	
JAN.	WINTER	BREAK
FEB.	Revision and	Final Exams			

SUBJECT - INFORMATICS PRACTICES

MONT H	WEEK	TOPIC	SUB TOPIC	ACTIVITIES	METHODOLOGY	INSTRUCTIONAL/ TEACHING AIDS
April	Week -I	Computer System	Introduction, Basic computer, Input unit, output unit Organization	Group discussion on related topics	1. Lecture cum Discussion Method	White board, marker, duster, pointer, flash cards

	Week-II		Types of software, Transition from calculator to computer and smart devices, evolution of computers, troubleshooting computer operations		2. Illustration Method	course book
	Week-III	Database Concepts	Introduction, Purpose of DBMS , Relational Database Model Terminology, Brief History of MYSQL , MYSQL database system , starting MYSQL, MYSQL and SQL	Students will learn DBMS concepts. Practical demo will be given to them in lab using MYSQL to learning functioning of software	1. Lecture Method 2. Brain Storming	White board, marker, duster, pointer, Computer, MYSQL software,c course book
	Week-IV					
May	Week -I	Structured Query	Introduction , MYSQL Elements, SQL command Syntax,	Demonstration of different	1. Lecture cum &	Black board , chalk ,

	<p>Language (SQL)</p> <p>Week-II</p> <p>Week-III</p> <p>Week-IV</p>	<p>making simple queries</p> <p>(Insert, Update, Delete, Select)</p> <p>Selectin specific rows</p> <p>Logical operators</p> <p>Order by</p> <p>More on DDL</p>	<p>commands and function will be delivered. And Students will learn with practical practice in lab by creating their databases, tables and different DDL and DML statements.</p> <p>Time Bound Team Based Exercise related to different topics and other practical</p>	<p>Demonstration Method</p> <p>2. Illustration method</p>	<p>duster, pointer, computer system, database software(MYSQL)</p> <p>Black board , chalk , duster, pointer, computer system, Python software</p>
June		SUMMER BREAK			
July	<p>Week-I</p> <p>Week-II</p>	<p>Getting started with Python</p> <p>Introduction, Python- Pluses and Minuses, Working in Python ,</p> <p>Understanding First Program Script</p>	<p>Practical demo will be given to them to work with</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstration Method</p>	<p>White board, marker, duster, pointer, computer system, Python Anaconda</p>

	<p>Week-III</p> <p>Week-IV</p>	<p>Python Fundamentals</p>	<p>Introduction, Python character set, Tokens, Barebones of a Python Program ,</p> <p>Variables and Assignments, Simple Input and Output</p>	<p>Python and students will do their practice in software to be familiar with language</p> <p>basic concepts will be practiced with the help of practical and students will try to use in short modules</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstration Method</p> <p>3. Illustration Method</p>	<p>distribution software</p> <p>White board, marker, dust er, pointer, co mputer system, Python Anaconda distribution software</p>
<p>August</p>	<p>Week-I</p> <p>Week-II</p>	<p>Data Handling</p> <p>Flow of Control</p>	<p>Introduction, Data types, Mutable and Immutable types ,</p> <p>Operators, Expressions</p> <p>Introduction, Types of Statements in Python , Statement Flow Control,if Statements of Python , Repetition</p>	<p>Students will create modules bases on math calculation like :addition, subtraction etc. using different operators and libraries</p> <p>Module that calculate</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstration Method</p> <p>3. Illustration Method</p>	<p>White board, marker, dust er, pointer, co mputer system, Python Enaconda distribution software</p> <p>White board, marker, dust er,</p>

	Week-III		of Tasks -, range (), looping statements,	total selling price and discount , module related to print three integers in ascending order, to print table of a number like 5, print sum of natural numbers between 1 to10 etc.	1. lecture cum Demonstration Method 2. Brain storming	pointer, computer system, Python Enaconda distribution software	
	Week-IV						
September	Revision + Half Year Examination						
October	Week-I	List Manipulation	Introduction, Creating and accessing lists, lists operations, Making true copy of a list, list	Program to calculate mean of a given list of numbers, program to search for an element for an element in a given list of a numbers , program to count frequency of a given elements of a given element in a list of numbers. etc.	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker, dust er, pointer, computer system, Python Enaconda distribution software	
	Week-II		functions and methods, nested lists, list manipulation				
	Week-III	Dictionaries	Introduction, Key : Value Pairs, working with			White board, marker, dust er,	

	Week-IV		dictionaries, dictionary functions and methods	Manipulation of dictionary with functions : Program to count the frequency of a list element using a dictionary.		1. lecture cum Discussion Method 2. Demonstration Method	pointer, computer system, Python Enaconda distribution software
November	Week-I Week-II Week-III Week-IV	Working with NumPy	Introduction, NumPy Arrays, NumPyDatatyps, creating Numpy arrays working with NumPyarrays, Airthmetic operations on numpy arrays Functions with numpy arrays	Practical related to array NumPyArrays, Array slices etc. (creating 1D and 2D arrays, operations performed on arrays)		1. lecture cum Discussion Method 2. Demonstration Method	White board, marker, dustter, pointer, computer system, Python Enaconda distribution software
December	Week-I	Emerging Trends	Artificial intelligence, robotics,	Time Bound Team Based activity		1. lecture cum	White board, marker, dus

	Week-II	(Syllabus completion)	big data, internet of things , cloud computing,	related to different topics.	Discussion Method	ter, pointer,co mputer system, internet explore software, course book
	Week-III		grid computing , blockchain technology			
	Week-IV					
January		Revision				
February		Revision				

SUBJECT - TYPOGRAPHY & COMPUTER APPLICATION

MONT H	WE EK	TOPIC	SUB TOPIC	ACTIVITIES	METHODOLOGIES	INSTRUCTIONAL /TEACHING AIDS
April	Week-I	INTRODUCTION TO TYPOGRAPHY	INTRODUCTION , Learning Objectives The Typewriter , Origin. of Typewriter, Importance of Typewriter/Computer ,Categories of Typewriters , Standard Typewriter ,Noiseless Typewriter ,Portable	History of typewriter will be given Group discussion will be given on different types of typewriter	1. Lecture cum Discussion Method 2. Illustration Method	White board, marker,duster, pointer, computer system, flash cards course book

			<p>Typewriter , Electric Typewriter ,Electronic Typewriter , Computers , Laptops</p>			
	Week- II		<p>Introduction ,Objectives ,Keyboard ,QWERTY Keyboard , Key Types , Character Keys ,Modifier key, Sitting Posture ,Chair & Table Height Guideline ,Placement of Machine ,Methods of Keyboard Operation ,Sight Method Merits of Sight Method Demerits of Sight Method ,Touch Method of Typing Merits of Touch Method Demerits of Touch Method</p>	<p>Training will be given to students for touch method of typing</p>		
	Week- III	Keyboard Operations		<p>Students will do practice of different rows using touch method in typing master</p>	<p>1. Lecture Method cum demonstration method</p>	<p>White board, marker, duster, pointer, Computer, typing software ,course book</p>

	We ek- 4			After learning all rows of keyboard paragraph will be given for practice		
May	We ek- 1	Computer Hardware	Input devices, Output devices, Serial ports, Parallel Ports	Hardware parts will be shown to students in lab	1. Lecture cum & Demonstration Method 2. Brain Storming	Black board , chalk , duster, pointer, computer system
	We ek- 2	Windows Operating System	Introduction, Objectives , Logging On ,Switching between Accounts ,Features of the Windows System , Desktop , Icon , Window ,Dialogue Box , Start Menu ,Task Bar , Tab Menu ,Opening & Closing Application , Manipulating Windows, Maximize , Minimize , Resize , Using Computer Folder , Using window Explorer ,Navigation Pane ,Details Pane , Preview Pane	Serial ports and parallel port of computer will be shown to students	1. Lecture Method cum demonstration method	Black board , chalk , duster, pointer, computer system, MS Office
	We ek- 3			Practical knowledge will be given to students based on this chapter Students will save their files in different memory		

	We ek- 4		for file or Folder, creating a folder , Deleting a file or folder , Renaming a file or folder	locations by using their own created folders		
June		Summer - Break				
July	UT + We ek- 1	Introducti on to Office	,Introduction to Word, Introduction to Excel, Introduction to Power Point, Introduction to Outlook ,Working with the Office Assistant , Office Short Cut Bar, Customizing the Office Shortcut Bar ,Exit the office shortcut bar Beginning with word a) Edit document b) Format document c) Tables & Graphics Documents prepared using MS word, Application window of MS Word,	Creating documents ,editing documents with different features of words ,exc el and power point	1. lecture cum Discussion Method 2. Demonstrati on Method	White board, marker,duster, pointer,comput er system, MS office
	We ek- 2					
	We ek- 3	MS Word(part -1)		Creating documents ,editing cuments with different	· Demonstrati on Method	White board, marker,duster, pointer,comput

				features of words will be taught to students		er system, MS office
July	Week-4	MS Word(part-1)	<p>Creating a new blank document , Entering text in a document file , Inserting a text , Deleting a text, Selecting a text, Copy & paste text , Drag and drop text ,Finding a text ,</p> <p>Replacing text Using find and replace text , Auto correction , Correction of mistakes , Save As Command , Using Save As command , Using spell check features , Using Grammar check feature</p>	<p>Creating documents ,editing documents with different features of words will be taught to students</p> <p>Students will practice practical concepts in MS word</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstration Method</p>	White board, marker,duster, pointer,computer system, MS office software
August	Week-1		<p>FORMATTING WITH WORD</p> <p>Formatting the text , Changing the text case , Applying bullets & Numbers ,Inserting a new list , Selecting an alternate bullet or number or style , Using a symbol as a bullet ,Changing the bullet colour, Changing the text alignment, Using indents and tabs , Modifying the default settings , Setting a</p>			

	We ek- 2		<p>tab stop ,Hanging indent , Setting left, center, right and decimal tab stops</p> <p>Working with text boxes , Using styles and themes , Moving the shapes , Changing of colour scheme , Managing Documents and customizing word , Document Properties , Using Thesaurus , Advanced Word Features , Creating & Using auto text entries , Working with Tables, Adding footer and header , Adding Footnotes & Endnotes, adding border , Mail Merge</p>			
	We ek- 3	MS WORD- PART-2		<p>Apart from using different features of WORD students will be learn and practice :</p> <p>Mail merge, work with tables, shapes ,</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstrati on Method</p>	<p>Black board , chalk , duster, pointer, computer system, MS Office</p>
	We ek- 4					

				images, lists etc.		
September		Revision + Half year Examination				
October	Week-1	Communication Skills	<p>Session 1: Introduction to Communication</p> <p>Session 2: Verbal Communication</p> <p>Session 3: Non-verbal Communication</p>	Different types of communication will be learned with the help of different activities	<p>1. lecture cum Discussion Method</p> <p>2. Brain storming method</p>	White board, marker, duster, pointer, computer system
	Week-2		<p>Session 4: Pronunciation Basics</p> <p>Session 5: Communication Styles — Assertiveness</p> <p>Session 6: Saying No — Refusal Skills</p>			
	Week-1		<p>Session 7: Writing Skills — Parts of Speech</p> <p>Session 8: Writing Skills — Sentences</p> <p>Session 9: Greetings and Introduction</p> <p>Session 10: Talking about Self</p> <p>Session 11: Asking Questions</p> <p>Session 12: Talking about Family</p> <p>Session 13: Describing Habits and Routines</p> <p>Session 14: Asking for Directions</p>			

	Week-2	Self-management Skills	<p>Session 1: Strength and Weakness Analysis</p> <p>Session 2: Grooming</p> <p>Session 3: Personal Hygiene</p> <p>Session 4: Team Work</p> <p>Session 5: Networking Skills Session 6: Self-motivation</p> <p>Session 7: Goal Setting</p> <p>Session 8: Time Management</p>	<p>Time bound activities will be given to students to learn</p> <p>Group discussion will be given to understand the topics</p>	<p>1. lecture cum Discussion Method</p> <p>2. Brain storming method</p>	<p>White board, marker,duster, pointer</p>
December	Week-1	Information and Communication Technology Skills	<p>Session 1: Introduction to ICT</p> <p>Session 2: Basic Interface of LibreOffice Writer 1</p> <p>Session 3: Saving, Closing, Opening and Printing Document</p>	<p>Creating documents ,editing documents with different features of words will be taught to students</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstration Method</p>	<p>White board, marker,duster, pointer,computer system, Libre Office</p>

	We ek- 2		<p>Session 4: Formatting Text in a Word Document</p> <p>Session 5: Checking Spelling and Grammar</p> <p>Session 6: Inserting Lists, Tables, Pictures, and Shapes</p> <p>Session 7: Header, Footer and Page Number</p> <p>Session 8: Tracking Changes in LibreOfficeWriterUnit 4:</p>	<p>Students will practice practical concepts in libre Office</p> <p>Apart from using different features of Libre Office students will be learn and practice :</p> <p>Mail merge, work with tables, shapes , images, lists etc.</p>		
December	We ek- 3	Entrepreneurship Skills	<p>Session 1: Introduction to Entrepreneurship Session 2: Values of an Entrepreneur Session 3: Attitude of an Entrepreneur</p> <p>Session 4: Thinking Like an Entrepreneur Session 5: Coming Up with a Business Idea</p> <p>Session 6: Understanding the Market</p>	Time Bound Team Based activity related to different topics.	1. lecture cum Discussion Method	White board, marker,duster, pointer,computer , internet explore software, Internet, course book

January	<p>Week-4</p> <p>Week-1</p> <p>Week-2</p>	<p>Green Skills</p> <p>(Syllabus completion)</p> <p>+ Revision</p>	<p>Session 7: Business Planning</p> <p>Session 1: Sectors of Green Economy Session 2: Policies for a Green Economy Session 3: Stakeholders in Green Economy Session 4: Government and Private Agencies</p>	<p>1. Prepare posters on green Economy</p> <p>2. Motivate students to plant a tree.</p> <p>3. Motivate students to buy energy efficient products</p> <p>4. Motivate students to do environment friendly jobs in their routine life. etc.</p>	<p>1. lecture cum Discussion Method</p> <p>2. Brain storming method</p>	<p>White board, marker,duster, pointer,computer system, Google,Internet ,course book</p>
Feb		Revision				

SUBJECT- MATHS

MONTH	CHAPTER	TOPICS	Art Integrated activity	METHODOLOGY	TEACHING AIDS/INSTRUCTIONAL AIDS
APRIL					
WEEK 1 WEEK 2	Sets	Sets and their representations. Empty set. Finite and infinite sets. Equal sets. Subsets. Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set. Venn diagrams. Union and intersection of sets. Difference of sets. Complement of a set. Properties of Complement.	Make attractive Venn diagram to show: <ol style="list-style-type: none"> 1. $A \cup B$ 2. $A - B$ 3. Only A 4. Draw a sketch of John venn 	Explanation by Venn diagram, Learning by doing.	Chalk board, Duster, Smart Class
APRIL WEEK 3 WEEK 4	Relations and Functions	Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of real of itself (up to $R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.	<ol style="list-style-type: none"> 1. <i>To distinguish between a relation and function using thread and bangle.</i> 2. <i>Draw an attractive graph of constant function,</i> 3. <i>modulus function</i> 4. <i>signum function using graph and thread</i> 	Demonstration, Graphic organizers, problem solving.	Chalk board, duster, arrow diagram on chart, smart class.
MAY WEEK 1 WEEK 2	Trigonometric Functions	Positive and Negative angles. Measuring angles in radians and degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x .	Draw curve of: <ol style="list-style-type: none"> 1. sine 2. cosine 3. Tangent with the help of sketch or thread 		

		<p>Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ etc. in the terms of $\sin x$, $\sin y$, $\cos x$ and $\cos y$ and their simple applications. Deducting all the identities like:</p> <p>$\tan(x \pm y)$, $\cot(x \pm y)$, $\sin \alpha \pm \sin \beta$, $\sin 2x$ etc.</p>	make a A4 Size sheet and write all formula of trigo		
MAY WEEK 1 WEEK 2	Complex Numbers and Quadratic Equations	Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane	1. make a curve of parabola using sketch		Chalk board, Duster, Smart Class
WEEK 3 WEEK 4	Linear Inequalities	Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0$, $a, b > 0$, $c < 0$ represents only one of the two half planes.		Chalk board, Duster, Smart Class
UNIT TEST					
JULY WEEK 1 WEEK 2.	Permutations and Combinations	Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae permutation and combination, simple applications.	1.To find the number of ways in which three cards can be selected from given five cards. 2.Make a diagram to show all the ways of approaching school	Explanation, Brain storming	Chalk board, Duster, Smart Class
WEEK 3 WEEK 4	Binomial Theorem	History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.			

			3. make a game on Permutations To construct a Pascal Triangle and to write binomial expansion		
<i>SEPTEMBER</i>	Revision and Half Yearly Exams				
<i>AUGUST</i> <i>WEEK 1</i> <i>WEEK 2</i>	Sequence and Series	Sequence and series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general terms of G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. Formulae for the sums.	1.To obtain formulae for the sum of squares of first n natural numbers. 2. Make pattern on AP 3.Make PATTERN ON G.P 3. Fibonacci spiral art	Discovery Method, Problem Solving, Project	Chalk board, Duster, Smart Class, Models
<i>SEPTEMBER</i> <i>OCTOBER</i> <i>WEEK 1</i> <i>WEEK 2</i>	Introduction to Three-dimensional Geometry	Revision and Half Yearly Exams Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points	1.To make model of octants 2. make any 3d sketch /pattern /graphics 3.show derivation of distance formula		
<i>WEEK 3</i> <i>WEEK 4</i>	Probability	Random experiments, outcomes, sample spaces (set representation). Events, occurrence of events, 'not', and 'or' events, exhaustive events, mutually exclusive events, axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.	1.To show the sample space through coin when it is tossed once, two times, three times, four times. 2.Make a card game using probability		

NOVEM-BER WEEK 1 WEEK 2	Straight lines	Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form, simple-intercept form, two-point form, intercept form, Distance of a point from a line.	<ol style="list-style-type: none"> 1. Make a stained glass window 2. Prepare any art work using straight line and curve 3. Make any optical illusion through line 	Heuristic Method, Project, Discussion, Problem Solving,	Chalk board, Duster, Smart Class
WEEK 3 WEEK 4	Conic Sections	Sections of a cone: ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle.	<p>To construct different types of conic</p> <ol style="list-style-type: none"> 1. Circle 2. Ellipse 3. Parabola 4. Make fun images using conics 		
DECEM-BER WEEK 1 AND 2	Limits and Deratives	Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivates of polynomial and trigonometric functions.	Verification of geometrical significance of derivatives.	Problem Solving, Explanation	Chalk board, Duster, Smart Class
WEEK 3 WEEK 4	Statistics	Measures of Dispersion: Range, Mean Deviation, variance and standard deviation of ungrouped/grouped data.			
JANUARY	UNIT TEST-2				
FEBRU-ARY	REVISION AND ANNUAL EXAMS				
MARCH	ANNUAL EXAMS				

SUBJECT - PHYSICAL EDUCATION

Month	Chapter	Sub Topics	Activities	Methodology	Teaching Aids
April	1. changing trends & physical education	i) Meaning & definition of physical education <ul style="list-style-type: none"> • Aims and objectives of physical education 	Make a chart tabulation on the aims and objectives of physical education.	Lecture method	<ul style="list-style-type: none"> • Green board • Educomp smart board.
May	2. Olympic value education	<ul style="list-style-type: none"> • Career option in physical education • Competition in various sports at national and international level • Khelo - India program 	Make a project on career options of physical education. Make a flash card on competitions in various sports at national and international level.	Explanation method	<ul style="list-style-type: none"> • Green board • Educomp smart board.
	3. Yoga	<ul style="list-style-type: none"> • Olympics, Paralympics and special Olympics • Olympic, symbols, ideals, objectives & value of Olympics 	Make a chart on Olympic symbols. Make a project on Olympic, Para Olympic and special Olympics.	Interactive method	<ul style="list-style-type: none"> • Green board
	4. Physical education & sports for CWSN children with specific need divang.	<ul style="list-style-type: none"> • International Olympic committee. • Indian Olympic association. 	Make an explanation on international Olympic committee and Indian Olympic Association.		
June					

August		<p>related fitness.</p> <ul style="list-style-type: none"> • Aims and object of adaptive physical education. • Organization promoting adaptive sports (special Olympics Bharat, Paralympics, Deaflympics) • Concept of inclusion, its need and implementation. • Role of various professionals for children with special need. • Counsellar, occupational, therapist physiotherapist, physical education teacher, speech, therapist& 	<p>Make a flash card on health related fitness.</p> <p>Make a flashcard on the role of various professionals for children with special needs.</p> <p>Make a chart on aims and objectives adaptive physical education.</p> <p>Make a project on organization promoting adaptive sports.</p>	<p>Explanation and brain storming method</p> <p>Explanation method</p> <p>Demonstration method</p>	<ul style="list-style-type: none"> • Green board
September	7.fundamentals of anatomy physiology & kinesiology in sports.				

October	<p>8. Fundamentals of kinesiology and biomechanical in sports</p> <p>9. psychology & sports .</p> <p>10. Training and doping in sports.</p>	<p>special education.</p> <ul style="list-style-type: none"> • Leadership qualities & role of a leader • Creating leaders through physical education • Meaning, objectives & types of adventure sports (rock climbing, tracking, river, rafting, mountaineering, surfing and paragliding. • Safety measures to prevent sports injuries. 	<p>Make a flashcard on leadership qualities.</p> <p>Make a chart on the types of adventure sports(rock climbing, trekking, river rafting, mountaineering, surfing and paragliding).</p> <p>Make a project on safety measures to prevent sports injuries.</p>	<p>Explanation method</p> <p>Explanation method</p>	<ul style="list-style-type: none"> • Green board • Green board
November		<p>Revision</p>	<p>Make a chart measurement of health related fitness.</p> <p>Make a chart showing importance measurement and</p>		<ul style="list-style-type: none"> • Green board

December		<ul style="list-style-type: none"> Defining and importance of anatomy, physiology & kinesiology. 	<p>evaluation in sports.</p>		<ul style="list-style-type: none"> Educomp smart board
January		<ul style="list-style-type: none"> Function of skeleton system and circulatory system. 	<p>Make a flashcard on the classification of bones and types of bones.</p>		
February		<ul style="list-style-type: none"> Properties and function of muscles. Equilibrium – dynamic & static and centre of gravity and its application in sports Definition & importance of psychology in physical education & sports. Adolescent problems & their management. Meaning and concept of sports training. 	<p>Make a project on the functions and structures of respiratory and circulatory systems.</p> <p>Make a chart on equilibrium-dynamic and static and centre of gravity</p> <p>Make a project on the development characteristics at different stages of development.</p> <p>Make a flashcard on adolescent problems and their management.</p> <p>Make a chart on difference between Growth and development.</p>		

		<ul style="list-style-type: none"> • Principle of sports training. • Warming up & limbering down. • Skill, technique & style • Concept & classification of doping <p>Annual Examination</p>	<p>Make a flashcard of the principles of sports training.</p> <p>Make a chart on the Warming up and Limbering down.</p>		
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Subject: -Psychology

Month	Week	Topic	Sub -Topic	Teaching Aids
April	Week -1	What is Psychology?	1. Introduction 2. What is psychology <ul style="list-style-type: none"> • Psychology as discipline • Psychology as an natural science • Psychology as a social science 	Blackboard, Chalk , Duster, Course Book
	Week - 2		3. Understanding mind and behaviour 4. Popular Nations about the Discipline of psychology 5. Evolution of psychology	
	Week -3		6. Development of psychology in India 7. Branches of psychology	

	Week -4		<p>8. Psychology and other disciplines</p> <p>9. Psychology in everyday life</p>	
May	Week - 1	Methods of Enquiry in Psychology	<p>1. Introduction</p> <p>2. Goals of psychological enquiry</p> <ul style="list-style-type: none"> • Steps in conducting scientific research • Alternatives • Paradigms of Research 	Blackboard, Chalk , Duster, Course Book
	Week -2		<p>3. Nature of psychological data</p> <p>4. Some important methods in Psychology</p> <ul style="list-style-type: none"> • Observation method • Experimental method • Correlation Research 	
	Week -3		<ul style="list-style-type: none"> • Survey Research • Psychological Testing • Case Study <p>5. Analysis of Data</p> <ul style="list-style-type: none"> • Quantitative Method • Qualitative Method 	
	Week -4		<p>6. Limitations of Psychological Enquiry</p> <p>7. Ethical Issues</p>	

June			Summer Break	
July	Week-1	Human Development	<ol style="list-style-type: none"> 1. Introduction 2. Meaning of Development Life-Span Perspective on Development Factors Influencing Development 	Blackboard, Chalk , Duster, Course Book
	Week-2		<ol style="list-style-type: none"> 3. Context of Development 4. Overview of Developmental Stages <ul style="list-style-type: none"> • Prenatal Stage 	
	Week -3		<ul style="list-style-type: none"> • Infancy • Childhood 	
	Week -4		<ul style="list-style-type: none"> • Challenges of Adolescence • Adulthood and Old Age 	
August	Week-1	Sensory, Attentional and Perceptual Processes	<ol style="list-style-type: none"> 1. Introduction 2. Knowing the world 3. Nature and varieties of Stimulus 	Blackboard, Chalk , Duster, Course Book
	Week-2		<ol style="list-style-type: none"> 4. Sense Modalities <ul style="list-style-type: none"> • Functional limitation of sense organs 5. Attentional Processes <ul style="list-style-type: none"> • Selective Attention • Sustained Attention 	

	Week-3		6. Perceptual Processes <ul style="list-style-type: none"> Processing Approaches in Perception 7. The Perceiver 8. Principles of Perceptual Organisation	
	Week-4		9. Perception of Space, Depth and Distance Monocular Cues and Binocular Cues 10. Perceptual Constancies 11. Illusions 12. Socio-Cultural Influences on Perception	
September	Revision		Half Yearly	
October	Week- 1	Learning	1. Introduction 2. Nature of Learning 3. Paradigms of Learning	Blackboard, Chalk , Duster, Course Book
	Week-2		4. Classical Conditioning <ul style="list-style-type: none"> Determinants of Classical Conditioning 5. Operant/Instrumental <ul style="list-style-type: none"> Conditioning Determinants of Operant Conditioning Key Learning Processes 	
	Week -3		6. Observational Learning 7. Cognitive Learning 8. Verbal Learning	

	Week-4		9. Skill Learning 10 Factors Facilitating Learning 11. Learning Disabilities	
November	Week -1	Human Memory	1. Introduction 2. Nature of memory	Blackboard, Chalk , Duster, Course Book
	Week-2		3. Information Processing Approach : The Stage Model 4. Memory Systems : Sensory, Short-term and Long-term Memories	
	Week-3		5. Levels of Processing 6. Types of Long-term Memory <ul style="list-style-type: none"> • Declarative and Procedural; • Episodic and Semantic 	
	Week-4		7. Nature and Causes of Forgetting <ul style="list-style-type: none"> • Forgetting due to Trace Decay, Interference and Retrieval Failure 8. Enhancing Memory Mnemonics using Images and Organisation	
December	Week-1	Thinking	1. Introduction 2. Nature of Thinking	Blackboard, Chalk , Duster,

			<ul style="list-style-type: none"> • Building Blocks of Thought 	Course Book
	Week-2		3. The Processes of Thinking 4. Problem Solving 5. Reasoning	
	Week-3		6. Decision-making 7. Nature and Process of Creative Thinking <ul style="list-style-type: none"> • Nature of Creative Thinking • Process of Creative Thinking 	
	Week-4		8. Thought and Language 9. Development of Language and Language Use	
January	Week-1	Motivation and Emotion	1. Introduction 2. Nature of Motivation	Blackboard, Chalk , Duster, Course Book
	Week-2		3. Types of Motives <ul style="list-style-type: none"> • Biological Motives • Psychosocial Motives 4. Maslow's Hierarchy of Needs	
	Week-3		5. Nature of Emotions 6. Expression of Emotions <ul style="list-style-type: none"> • Culture and Emotional Expression • Culture and Emotional Labelling 	

	Week-4		7. Managing Negative Emotions 8. Enhancing Positive Emotions	
February +March	Revision	Practical (Projects, experiments, small studies)	Annual examination	

Annual Planner -24-25

Yoga

XI

Month	Week	Topic	Sub- topics	Art-Integrated	Methodology
APRIL	week-1,2	Unit-1	Communication Skills	Practice of Halasana, Pawanmuktasana	Explanation
	week-3,4	Unit-2	Self Management Skills		
May	Week-1,2	Unit-3	ICT-Skills	Practice of Asanas	Yoga Activities Explanation
	Week-3,4	Unit-4	Entrepreneurial Skills		
June		SUMMER BREAK			
July	Week-1,2	Unit-5	Green Skills	Practice of Dhyana Mudra	Revise and Explan
	Week-3,4	Revision	Green Skills		

August	Week-1	(Part-B) Unit-1	Introduction to Yoga and Yogic Practices-1	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 yogic practices (SukshamaVyayama, Surya Namaskar and Asanas).
	Week-2			
	Week-3			
	Week-4			
September				REVISION

October	Week-1	Unit-2	Introduction to Yoga Texts-1	1)Introduction and study of patanjali Yoga sutra including memorization of selected Sutra.
	Week-2			2)Introduction and study of Gheranda Samhita.
	Week-3			3)Introduction of HataPradpika.
	Week-4			4) Introduction and study of Bhagavad Gita including memorization of selected Slokas.

November	Week-1	Unit-3	Introduction to Yoga and Yogic Practices-2	1) Brief introduction to human Body. 2) Role of Yoga for health promotion. 3)Yogic attitudes and practices. 4) Holistic approach of Yoga towards the health and diseases. 5) Introduction Yoga diet and its relevance and importance in Yoga Sadhana. 6) Dincharya and Ritucharya with respect of Yogic lifestyle.
	Week-2			
	Week-3			
	Week-4			
December		Unit-5	Yoga for Health Promotion-2	
January		Practicals and lab Activities	Demonstration of skill competency in lab activities and Surya Namaskar	
February		Revision	Revision	
March			Annual Exam	