JAIN VIDYA MANDIR SR. SEC. SCHOOL
Annual planner -2024-25
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 Top**Writing 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**			

Month				
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 NCERT 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

					NCERT Textbook
	Week 3 to week 4	Recording of Business Transactions (accounting Equation) Recording of Business transaction • Journal Entry			
JUNE	Summer Break				
JULY Unit test 1	Unit 2: Accounting Process week 1 Week 2 Week 3 & 4	• Ledger posting Revision of unit test • Cash Book • Subsidiary books • GST (Journal)	Problem solving discussion	Ask to any vendor about his accounting record method	Green board Educomp NCERT Textbook
AUG.	Part B: Financial accounting II Week 1 & 2 Week 3 & 4	• Bank Reconciliation statement • Depreciation • Provisions and Reserves • Trial Balance and Rectificati	Problem solving discussion	Make your project with 3 months transactions	Green board Educomp NCERT Textbook

		on of errors			
SEPT.	Week 1 & 2	REVISION			
	Week 3 & 4	HALF YEARLY EXAMS			
OCT.	UNIT -3 Final Account Week 1 to week 4	• 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 Educo mp NCERT Textbook
NOV.	UNIT -4 Week 1 to week 4	• Revision Unit test - 2	Problem solving discussion	Comparison of double entry system and single entry system	Green board Educo mp NCERT Textbook
DEC.		• Submissio n of Project	Problem solving discussion		Green board Educo mp 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	• 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	• 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	• 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	• 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 functionsof Statistics in Economics Ch.2 -- Collection of	*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	Data **Part B: Introductory Microeconomics** Ch.1- Economics and Economy	* Primary and Secondary Sources of Data *Modes of Data Collection			Green board Educomp NCERT Textbook
Week 3		*What Economics is about ? *Micro and Macro economics *Positive and normative economics	Lecture method	Group discussion on different central problems of any economy	
	Ch.2- Central Problems of an Economy	*Nature and types of economy	Problem Solving method		Green board Educomp NCERT Textbook
Week 4		*Central problems of an an economy *Production Possibility curve *The concept of opportunity cost		Group discussion on which method Census or sample would you prefer if you are to studyeconomic conditions of the people in your area?	
	Ch. 3 Census and Sample methods of Collection of Data		Problem solving discussion		
MAY Week 1		*Census method *Sample method *Important sources of secondary data			
Week 2	Ch.4. Organisation of Data	*Concept of variable; frequency distribution	Problem solving discussion		Green board Educomp NCERT Textbook
Week 3	Ch.-- 3 Consumer's Equilibrium Utility Analysis	*Concept and Measurement	Lecture method	Draw the diagram and the table of	

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

Week 4	Ch. 6 Price Elasticity of Demand	*Demand curve and its slope *Concept of Elasticity of Demand *Measurement of price elasticity of demand *Percentage change and total expenditure method	Brain Storming Method	Work Sheets on numericals of calculating price elasticity of demand	Textbook
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	*Concept of production function * Concept of TP, MP and AP *Returns to A factor	Interactive and lecture method		
Week 4	Ch. 8 Concepts of Cost	*Concept of Cost Short run Cost of production *Relations between	Lecture and Demonstration Method	Draw diagrams showing relation between *TC,TVC, TFC *AC,AVCandAFC EXAMS	Green board Educomp NCERT Textbook

SEPT.	REVISION	Average ,Marginal and Total Cost AND HALF	YEARLY		……….
OCT. Week 1	Ch.9 Measures of Central tendency -- Arithmetic Mean	*Concept of Central tendency *Purpose and functions of averages *Arithmetic mean by all methods	Problem solving		Green board Educomp NCERT Textbook
Week 2	Ch. 10 measures of Central tendency --- Median	*Calculation of median for different types of statistical series		Worksheets on the numericals of mean, median and mode	
Week 3	Ch. 10 Mode (Cont.)	*Graphical determination of median *Mode and its Calculation by arithmetic mean and median	Problem Solving Method		Green board Educomp NCERT Textbook
Week 4	Ch.9 Concept of Revenue Ch.10 producer's equilibrium (Deleted)	What is is revenue? T R, M R and AR Firms Revenue curve in different markets	Interactive and lecture method	Draw the diagram of relationship between TR,AR and MR on a chart	

		Concept of producer equilibrium Conditions of producer's equilibrium			
NOV. Unit test - 2

Week 2

Week 3

Week 4 | Ch.11 measures of dispersion (Deleted)

Ch. 12 Correlation

Ch.11 Theory of Supply

Ch. 12 Forms of Market | What is dispersion? Methods of measuring dispersion Standard deviation

*Meaning and properties *Scatter Diagram *Karl Pearson methods Two variables; ungrouped data *Spears-man Rank Correlation

Concept of supply Supply schedule Supply curve and its slope Law of supply

Perfect Competition and its features | Problem solving discussion

Problem Solving Method

Lecture method

Lecture method | Worksheets

Numericalsbased work sheets

Group discussion on different types of Market with examples | Green board Educomp NCERT Textbook

Green board Educomp NCERT Textbook |
| DEC. Week 1 | Ch.13 Index numbers | *Meaning,types-*wholesale price index *consumer | Problem solving discussion | Numericals based work sheets | |

		price index *index of industrial production * uses of index number, inflation and index number			Green board Educomp NCERT Textbook
Wee k 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

MONTH	WEEK	TOPIC	SUB TOPIC	ACTIVITIES	METHODOLOGY	INSTRUCTIONAL/ TEACHING AIDS
April	Week –I Week -II	Computer System	Introduction,Basic computer , Input unit, output unit Organization Types of software, Transition from calculator to computer and smart devices, evolution of computers,	Group discussion on related topics	1. Lecture cum Discussion Method 2. Illustration Method	White board, marker,duster, pointer, flash cards course book

			troubleshooting computer operations			
	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,course book
	Week -IV					
May	Week –I	Structured Query Language (SQL)	Introduction , MYSQL Elements, SQL command Syntax, making simple queries (Insert, Update, Delete, Select) Selectin specific rows	Demonstration of different commands and function will be delivered. And Students will learn	1. Lecture cum & Demonstration Method 2. Illustration method	Black board , chalk , duster, pointer,computer system, database software(MYSQL)

Month	Week					
	Week-II		Logical operators Order by	with practical practice in lab by creating their databases,tables and different DDL and DML statements.		
	Week-III		More on DDL			Black board , chalk , duster, pointer, computer system, Python software
	Week-IV			Time Bound Team Based Exercise related to different topics and other practical		
June		SUMMER BREAK				
July	Week-I	Getting started with Python	Introduction, Python-Pluses and Minuses, Working in Python , Understanding First Program Script	Practical demo will be given to them to work with Python and students will do their practice in software to be familiar	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker,duster, pointer,computer system, Python Anaconda distribution software
	Week-II					
		Python Fundamentals	Introduction, Python character set, Tokens, Barebones of a Python Program ,			
	Week-III				1. lecture cum Discussion	

			Variables and Assignments, Simple Input and Output	with language	Method	White board, marker,duster, pointer,computer system, Python Anaconda distribution software
	Week -IV				2. Demonstration Method	
				basic concepts will be practiced with the help of practical and students will try to use in short modules	3. Illustration Method	
August	Week -I	Data Handling	Introduction, Data types, Mutable and Immutable types ,	Students will create modules bases on math calculation like :addition, subtraction etc. using different operators and libraries	1. lecture cum Discussion Method	White board, marker,duster, pointer,computer system, Python Enaconda distribution software
	Week -II		Operators, Expressions		2. Demonstration Method	
					3. Illustration Method	
		Flow of Control	Introduction, Types of Statements in Python , Statement Flow Control,if Statements of Python , Repetition of Tasks -, range ( ), looping statements,			White board, marker,duster, pointer,computer system, Python Enaconda
	Week -III			Module that calculate total selling price and discount ,m	1. lecture cum Demonstration Method	
	Week				2. Brain storming	

							distribution software
	-IV			odule 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.			
Septe mber	Revision + Half Year Examination						
Octob er	Wee k-I	List Manipula tion	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	1. lecture cum Discussion Method 2. Demonstr ation Method	White board, marker,duster, pointer,compu ter system, Python Enaconda distribution software	
	Wee k-II		functions and methods, nested lists, list manipulation				
	Wee k-III	Dictionar ies	Introduction, Key : Value Pairs, working with dictionaries, dictionary	numbers. etc. Manipulation of dictionary with functions :		White board, marker,duster, pointer,compu ter system, Python Enaconda distribution	

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

	-II		cloud computing,			system,
						internet explore software,
	Week -III		grid computing , blockchain technology			course book
	Week -IV					
January		Revision				
February		Revision				

SUBJECT - TYPOGRAPHY & COMPUTER APPLICATION

MONTH	WEEK	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 Typewriter , Electric Typewriter ,Electronic Typewriter , Computers , Laptops	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

	Week-II Week-III	Keyboard Operations	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	Training will be given to students for touch method of typing Students will do practice of different rows using touch method in typing master After learning all rows of keyboard paragraph will be	1. Lecture Method cum demonstration method	White board, marker, duster, pointer, Computer, typing software ,course book

				given for practice		
May	Week-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
	Week-2			Serial ports and parallel port of computer will be shown to students		
	Week-3	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 Control Panel , Locating Files and Folders , Search for file or Folder, creating a folder , Deleting a file or folder , Renaming a file or folder	Practical knowledge will be given to students based on this chapter Students will save their files in different memory locations by using their own created	1. Lecture Method cum demonstration method	Black board , chalk , duster, pointer, computer system, MS Office

	We ek-4			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	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)	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 cuments with different features of words will be taught to students	. Demonstrati on Method	White board, marker,duster, pointer,comput er system, MS office

July			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 ,	Creating documents ,editing documents with different features of words will be taught to students	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker,duster, pointer,computer system, MS office software
	Week-4	MS Word(part-1)				
August			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	Students will practice practical concepts in MS word		
	Week-1		FORMATTING WITH WORD

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 tab stop ,Hanging indent , Setting left, center, right and decimal tab stops | | | |

	Week-2		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			Black board , chalk , duster, pointer, computer system, MS Office
	Week-3	MS WORD-PART-2		Apart from using different features of WORD students will be learn and practice : Mail merge, work with tables, shapes , images, lists etc.	1. lecture cum Discussion Method 2. Demonstrati on Method	
	Week-4					
Septe mber			Revision + Half year Examination			
Octob			Session 1: Introduction to Communication Session 2:	Different types of		White board, marker,duster,

er	Week-1	Communication Skills	Verbal Communication Session 3: Non-verbal Communication	communication will be learn with the help of different activities	1. lecture cum Discussion Method	pointer,computer system
			Session 4: Pronunciation Basics Session 5: Communication Styles — Assertiveness Session 6: Saying No — Refusal Skills		2. Brain storming method	
	Week-2		Session 7: Writing Skills — Parts of Speech			
			Session 8: Writing Skills — Sentences Session 9: Greetings and Introduction Session 10: Talking about Self			
			Session 11: Asking Questions			
			Session 12: Talking about Family			
			Session 13: Describing Habits and Routines Session 14: Asking for Directions			
	Week-1		Session 1: Strength and Weakness Analysis			
			Session 2: Grooming			
			Session 3: Personal Hygiene			

	Week-2	Self-management Skills	Session 4: Team Work Session 5: Networking Skills Session 6: Self-motivation Session 7: Goal Setting Session 8: Time Management	Time bound activities will be given to students to learn Group discussion will be given to understand the topics	1. lecture cum Discussion Method 2. Brain storming method	White board, marker,duster, pointer
December	Week-1	Information and Communication Technology Skills	Session 1: Introduction to ICT Session 2: Basic Interface of LibreOffice Writer 1 Session 3: Saving, Closing, Opening and Printing Document Session 4: Formatting Text in a Word Document Session 5: Checking Spelling and Grammar Session 6: Inserting Lists, Tables, Pictures, and	Creating documents ,editing documents with different features of words will be taught to students Students will practice practical concepts in libre Office	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker,duster, pointer,computer system, Libre Office

			Shapes Session 7: Header, Footer and Page Number Session 8: Tracking Changes in LibreOfficeWriterUnit 4:	Apart from using different features of Libre Office students will be learn and practice : Mail merge, work with tables, shapes , images, lists etc.		
	Week-2					
December	Week-3	Entrepreneurship Skills	Session 1: Introduction to Entrepreneurship Session 2: Values of an Entrepreneur Session 3: Attitude of an Entrepreneur Session 4: Thinking Like an Entrepreneur Session 5: Coming Up with a Business Idea Session 6: Understanding the Market Session 7: Business Planning	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
	Week-4				1. lecture cum Discussion Method 2. Brain storming	
			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		method	
Januar y	We ek-1	Green Skills (Syllabus completio n)		1. Prepare posters on green Economy 2. Motivate students to plant a tree. 3. Motivate students to buy energy efficient products		White board, marker,duster, pointer,comput er system, Google,Internet ,course book
	We ek-2	+ Revesion		4. Motivate students to do environment friendly jobs in their routine life. etc.		
Feb		Revision				

SUBJECT- MATHS

MONTH	CHAPTER	TOPICS	Art Integrated activity	METHODOLOGY	TEACHING AIDS/INSTRUCT-IONAL 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: 1. AUB 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 WEEK4	**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 x R x 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.	*1.To distinguish betwee a relation and function using thread and bangle.* *2.Draw an attractive graph of* *constant function,* *3.modulus function* *4.signum function using graph and thread*	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 sin2x+cos2x =1, for all x.	Draw curve of: 1. sine 2. cosine 3. Tangent with the help of sketch or thread		

		Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing sin(x ±y) and cos(x±y) etc. in the terms of sin$x$, sin$y$, cos$x$ and cos$y$ and their simple applications. Deducting all the identities like: Tan(x± y),cot(x± y),sinα± sinβ, sin2x etc.	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.*	**Permutat- ions and Combinat- ions**	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 3. make a game	Explanation, Brain storming	Chalk board, Duster, Smart Class
WEEK 3 *WEEK 4*	**Binomial Theorm**	History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.			

Month/Week	Topic	Content	Activities	Method	Resources
			on Permutations To construct a Pascal Triangle and to write binomial expansion		
SEPTEMBER		Revision and Half Yearly Exams			
AUGUST *WEEK 1* *WEEK 2*	**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
SEPTEM—BER *OCTOBER* *WEEK 1* *WEEK 2*	**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		
WEEK 3 *WEEK 4*	**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	**Straight lines**	Brief recall of two dimensional	1. Make a	Heuristic Method,	Chalk

		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.	stained glass window 2. Prepare any art work using straight line and curve 3. Make any optical illusion through line	Project, Discussion, Problem Solving,	board, Duster, Smart Class
WEEK 1 *WEEK 2* *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.	To construct different types of conic 1. Circle 2. Ellipse 3. Parabola 4. Make fun images using conics		
DECEM-BER WEEK 1 AND 2 *WEEK 3* *WEEK 4*	**Limits and Deratives** **Statistics**	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 scope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivates of polynomial and trigonometric functions. Measures of Dispersion: Range, Mean Deviation, variance and standard deviation of ungrouped/grouped data.	Verification of geometrical significance of derivatives.	Problem Solving, Explanation	Chalk board, Duster, Smart Class
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 May June	1. changing trends & physical education 2. Olympic value education 3. Yoga 4.Physical education & sports for CWSN children with specific need divang.	i) Meaning & definition of physical education • Aims and objectives of physical education • Career option in physical education • Competition in various sports at national and international level • Khelo - India program • Olympics, Paralympics and special Olympics • Olympic, symbols, ideals, objectives& value of Olympics • International Olympic committee. • Indian Olympic association.	Make a chart tabulation on the aims and objectives of physical education. Make a project on carrier options of physical education. Make a flash card on competitions in various sports at national and international level. Make a chart on Olympic symbols. Make a project on Olympic, Para Olympic and special Olympics. Make an explanation on international Olympic committee and Indian Olympic Association.	Lecture method Explanation method Interactive method	• Green board • Educomp smart board. • Green board • Educomp smart board. • Green board • Green

July			Meaning & importance of yoga Elements of yoga. Introduction – Asanas, pranayam, meditation & yogic kriyas. Summer break	Make a flashcard on the importance of Yoga. Make a chart on the asanas, pranayamas, meditation and yogic kriyas.Make a project on elements of yoga.	Explanation method	board
	5.Physical fitness, wellness & lifestyle					
					Interactive method	
	6. test, measurement & evaluation	• • Meaning & importance of physical fitness, wellness & lifestyle • Components of physical fitness and wellness • Components of health related fitness.	Make a chart on the components of physical fitness and wellness. Make a project on the importance of physical fitness, wellness and lifestyle. Make a flash card on health related fitness.	Explanation method	• Green board

August				Explanation and brain storming method	
		• Aims and object of adaptive physical education.	Make a flashcard on the role of various professionals for children with special needs.		
		• Organization promoting adaptive sports (special Olympics Bharat, Paralympics, Deaflympics	Make a chart on aims and objectives adaptive physical education.	Explanation method	
		• Concept of inclusion, its need and implementation.	Make a project on organization promoting adaptive sports.		
		• Role of various professionals for children with special need.			
		• Counsellar, occupational, therapist physiotherapist, physical education teacher, speech, therapist& special education.		Demonstration method	
September	7.fundamentals of anatomy physiology & kinesiology in sports. 8.				• Green board

October	Fundamentals of kinesiology and biomechanical in sports

9. psyohology & sports .

10. Training and doping in sports.

November | • 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. | Make a flashcard on leadership qualities.

Make a chart on the types of adventure sports(rock climbing, trekking, river rafting, mountaineering, surfing and paragliding).

Make a project on safety measures to prevent sports injuries. | Explanation method

Explanation method | • Green board

• **Green board** |
| | | Revision

• Defining and importance of anatomy, physiology & kinesiology.
• Function of | Make a chart measurement of health related fitness.

Make a chart showing importance measurement and evaluation in sports.

Make a | | • **Green board**
• **Educomp smart** |

					board
December January February		• speleton system and circulatory system. • Properties and function of muscles. • Equilibrium – dynamic & static and centre of gravity and its application in sports • Definition & importance of psyohology in physical education & sports. • Adoleseent problems & their management. • Meaning and concept of sports training. • Principle of sports training. • Warming up & limbering down. • Skill, technique &	flashcard on the classification of bones and types of bones. Make a project on the functions and structures of respiratory and circulatory systems. Make a chart on equilibrium-dynamic and static and centre of gravity Make a project on the development characteristics at different stages of development. Make a flashcard on adolescent problems and their management. Make a chart on difference between Growth and development. Make a flashcard of the principles of sports training.		

		style • Concept & classification of doping **Annual Examination**	Make a chart on the Warming up and Limbering down.		

Subject: -Psychology

Month	Week	Topic	Sub -Topic	Teaching Aids
April	Week -1	**What is Psychology?**	**1.** Introduction **2.** What is psychology • 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		**8.** Psychology and other disciplines **9.** Psychology in everyday life	
May	Week - 1	**Methods of Enquiry in Psychology**	**1.** Introduction **2.** Goals of psychological enquiry • Steps in conducting scientific research • Alternatives	Blackboard, Chalk , Duster, Course Book

			• Paradigms of Research	
	Week -2		**3.** Nature of psychological data **4.** Some important methodsin Psychology • Observation method • Experimental method • Correlation Research	
	Week -3		• Survey Research • Psychological Testing • Case Study **5.** Analysis of Data • Quantitative Method • Qualitative Method	
	Week -4		**6.**Limitations of Psychological Enquiry **7.** Ethical Issues	
June			**Summer Break**	
July	Week-1	**Human Development**	**1**. Introduction **2.** Meaning of Development Life-Span Perspective on Development Factors Influencing Development	Blackboard, Chalk , Duster, Course Book
	Week-2		**3**. Context of Development **4.**Overview of Developmental Stages • Prenatal Stage	

	Week -3		• Infancy • Childhood	
	Week -4		• Challenges of Adolescence • Adulthood and Old Age	
August	Week-1	**Sensory, Attentional and Perceptual Processes**	**1**.Introduction **2**. Knowing the world **3**. Nature and varieties of Stimulus	Blackboard, Chalk , Duster, Course Book
	Week-2		**4.** Sense Modalities • Functional limitation of sense organs **5.** Attentional Processes • Selective Attention • Sustained Attention	
	Week-3		**6.** Perceptual Processes • 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 • Determinants of Classical Conditioning **5.** Operant/Instrumental • Conditioning • Determinants of Operand 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 • Declarative and Procedural; • Episodic	

			and Semantic	
	Week-4		**7.** Nature and Causes of Forgetting • 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 • Building Blocks of Thought	Blackboard, Chalk , Duster, 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 • 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 • Biological Motives • Psychosocial Motives **4.** Maslow's Hierarchy of Needs	
	Week-3		**5.** Nature of Emotions **6.** Expression of Emotions • 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** **week-3,4**	Unit-1 Unit-2	Communication Skills Self Management Skills	Practice of Halasana, Pawanmuktasana	Explanation
May	**Week-1,2** **Week-3,4**	Unit-3 Unit-4	ICT-Skills Entrepreneurial Skills	Practice of Asanas	Yoga Activities Explanation
June			SUMMER BREAK		

July	**Week-1,2**	Unit-5	Green Skills	Practice of Dhyana Mudra	Revise and Explana
	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 activites and Surya Namaskar	
February		Revision	Revision	
March			Annual Exam	