

JAIN VIDYA MANDIR SR. SEC. SCHOOL ,SONEPAT
ANNUAL CALANDER (2023-24)
XI – ARTS

INFORMATICS PRACTICES

MONTH	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 2. Illustration Method	White board, marker, duster, pointer, flash cards course book
	Week-II		Types of software, Transition from calculator to computer and smart devices, evolution of computers, troubleshooting computer operations			
	Week-III	Database Concepts	Introduction, Purpose of DBMS , Relational Database Model Terminology, Brief History of MYSQL ,	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	
	Week-IV		MYSQL database system , starting MYSQL, MYSQL and SQL			
May	Week –I	Structured Query Language (SQL)	Introduction , MYSQL Elements, SQL command Syntax, making simple queries (Insert, Update, Delete, Select)	Demonstration of different 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.	1. Lecture cum & Demonstration Method 2. Illustration method	Black board , chalk , duster, pointer, computer system, database software(MYSQL)
	Week-II		Selectin specific rows			

	Week-III		Logical operators Order by	Time Bound Team Based Exercise related to different topics and other practical		Black board , chalk , duster, pointer, computer system, Python software
	Week-IV		More on DDL			
June		SUMMER BREAK				
July	Week-I	Getting started with Python	Introduction, Python- Pluses and Minuses, Working in Python ,	Practical demo will be given to them to work with Python and students will do their practice in software to be familiar with language basic concepts will be practiced with the help of practical and students will try to use in short modules	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker, duster, pointer, computer system, Python Anaconda distribution software
	Week-II		Understanding First Program Script			
	Week-III	Python Fundamentals	Introduction, Python character set, Tokens, Barebones of a Python Program ,		1. lecture cum Discussion Method 2. Demonstration Method 3. Illustration Method	White board, marker, duster, pointer, computer system, Python Anaconda distribution software
	Week-IV		Variables and Assignments, Simple Input and Output			
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 2. Demonstration Method 3. Illustration Method	White board, marker, duster, pointer, computer system, Python Enaconda distribution software
	Week-II		Operators, Expressions			White board, marker, duster, pointer, computer system, Python Enaconda distribution software
	Week-III	Flow of Control	Introduction, Types of Statements in Python , Statement Flow Control, if Statements of Python ,	Module that calculate 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	1. lecture cum Demonstration Method	
	Week-IV		Repetition of Tasks - , range () , looping		2. Brain storming	

			statements,	natural numbers between 1 to 10 etc.		
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 element in a list of numbers. etc. 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	White board, marker, duster, 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 dictionaries, dictionary			
	Week-IV		functions and methods			
November	Week -I	Working with NumPy	Introduction, NumPy Arrays, NumPy Datatypes, creating Numpy arrays	Practical related to array NumPy Arrays , 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 NumPy arrays,			
	Week-III		Airthmetic operations on numpy arrays			
	Week-IV		Functions with numpy arrays			
December	Week-I	Emerging Trends (Syllabus completion)	Artificial intelligence, robotics,	Time Bound Team Based activity related to different topics.	1. lecture cum Discussion Method	White board, marker, duster, pointer, computer system, internet explore software,
	Week-II		big data, internet of things , cloud			

	Week-III		computing,			course book
	Week-IV		grid computing , blockchain technology			
January		Revision				
February		Revision				

Annual planner -2023-24
English
XI

Month	Particulars	Activity	Teaching Aids	Methodology
April	Literature: R1:Portrait of a Lady R2: We're Not Afraid to Die S1: The Summer of a Beautiful White Horse P1: A Photograph Grammar: Tenses and Verbs Writing Skills: Notice	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 S2: The Address S3: Ranga's Marriage P2: The Laburnum Top Grammar: Determiners Writing Skills: Advertisement, Poster	Activity2: share your experience about villege	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: R4: Lanscape of the Soul S4: Albert Einstien at School P3: The Voice of the Rain Grammar: Reordering, Error-editind, omission Writing Skills: Letters	Activity3: Role Play Activity	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Debreifing, Debate, Classroom discussion, enquiry based Lecture, Values Classification, Brainstorming, Demonstration, Problem solving, Group Discussion, Reading
August	Literature: R5: The Ailing Planet R6: The Browning Version S5: Mother's Day Grammar: Active Voive and Passive Voice Writing Skills: Report 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: Modals Writing Skills: Article writing	Activity5: Jot down the changing relationship between the parents and childern	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 Tail 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: S8: The Ghat of Only World	Activity7: Define the role of a doctor in today's generation	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
January	Revision			
February	Revision/Examination			
March	Examinations			

Class- 11th (Political Science)

Month	Topic	Sub topics	Methodology	Students Activity	Instructional Aids
June	Summer- Break				
JULY	Part A: Indian constitution at work Part B:Political Theory				Chalk Duster Green board Educomp NCERT Text books
Week-1	1.Constitution	Constitution: Why and How, The Making of the Constitution, Fundamental	Problem solving Discussion Method	Discussion on following topics. How would the class representatives be chosen? ±	
Week-2		Rights and Duties, Directive Principles of State Policy, constitutional Amendments.		Which decisions will the representative be able to take on behalf of the entire	

Week-3	2.Political Theory An introduction	What is Politics? Politics V/s Political Theory, Importance of Political Theory.	Lecture Method	class? *Write a short note on any of the political thinkers mentioned in the chapter on A-4 sheet.	
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Week-4	Ch.3 .Election Representation	Elections and Democracy, Election System in India, Electoral Reforms.	InteractiveMethod	*Collect clippings about elections in India and any other country.	
AUGUST Week-1	4.Liberty	Liberty V.s Freedom, Negative and Positive Liberty.		*Group Discussion on negative and positive liberty	
Week-2	5.Equality	What is Equality? Significance of Equality. Various dimensions of Equality. How can we promote Equality	Lecture and explanation Method	Search for quotations from different religious scriptures that affirm the ideal of equality. Read these in the classroom	

Week-3	6.Executive	What is an Executive? Different Types of Executive. Parliamentary Executive in India, Prime Minister and Council of Ministers. Permanent Executive: Bureaucracy.	Interactive lecture method	*Make a chart on types of executive *Collect some pictures of ancient and modern	Chalk Duster Green board Educomp NCERT Textbook
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Annual Planner -2023-24
Yoga
XI

Week-4	7.Justice	What is Justice? Different dimensions of Justice, Distributive Justice.	Explaining and interactive Method	*Group discussion on the topic of social justice *Make a story about social justice
SEPT	8.The Judiciary +	Why do we need an Independent Judiciary? Structure of the Judiciary, Judicial Review, Judicial activism, Judicial Over reach.	Demonstration Method	*Playing a drama On Judiciary *Make a flow chart related to Judiciary
HALF YEAR EXAMS				
OCT Week-1	9.Federalism	What is Federalism? Evolution & Growth of the Indian Federalism:	Problem Solving Method	*Make a collage related the topic Federal structure of government
Week-2		Quasi Federalism,		

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

<p>August</p>	<p>Week-1</p>	<p>(Part-B) Unit-1</p>	<p>Introduction to Yoga and Yogic Practices-1</p>	<p>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 (Sukshama Vyayama, Surya Namaskar and Asanas).</p>		<p>Chalk board , duster and Smart - class</p>
	<p>Week-2</p>					
	<p>Week-3</p>					
	<p>Week-4</p>					
<p>September</p>				<p>REVISION</p>		

October	Week-1	Unit-2	Introduction to Yoga Texts-1	<p>1)Introduction and study of patanjali Yoga sutra including memorization of selected Sutra.</p> <p>2)Introduction and study of Gheranda Samhita.</p> <p>3)Introduction of Hata Pradpika.</p> <p>4) Introduction and study of Bhagavad Gita including memorization of selected Slokas.</p>	Chalk board , duster and Smart – class
	Week-2				
	Week-3				
	Week-4				

November	Week-1	Unit-3	Introduction to Yoga and Yogic Practices-2	<p>1) Brief introduction to human Body. 2) Role of Yoga for health promotion.</p> <p>3)Yogic attitudes and practices.</p> <p>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.</p>	Chalk board ,duster and Smart – class
	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 Annual Exam			
March						

**PHYSICAL EDUCATION
CLASS-XI**

Month	Chapter	Sub Topics	Activities	Methodology	Teaching Aids	
April	1. changin g trends & physical education	i) Meaning & definition of physical education <ul style="list-style-type: none"> Aims and objectives of physical education Career option in physical education Competition in various sports at national and international level Khelo - India program 	<p>Make a chart tabulation on the aims and objectives of physical education.</p> <p>Make a project on carrier options of physical education.</p> <p>Make a flash card on competitions in various sports at national and international level.</p>	Lecture method	<ul style="list-style-type: none"> Green board Educomp smart board. 	
May	2. Olympic value education	<ul style="list-style-type: none"> Olympics, Paralympics and special Olympics Olympic, symbols, ideals, objectives& value of Olympics International Olympic committee. Indian Olympic association. 	<p>Make a chart on Olympic symbols.</p> <p>Make a project on Olympic, Para Olympic and special Olympics.</p> <p>Make an explanation on international Olympic committee and Indian Olympic Association.</p>	Explanation method	<ul style="list-style-type: none"> Green board Educomp smart board. 	
	3. Yoga	<p>Meaning & importance of yoga</p> <p>Elements of yoga.</p> <p>Introduction – Asanas, pranayam, meditation & yogic kriyas.</p> <p>Summer break</p>	<p>Make a flashcard on the importance of Yoga.</p> <p>Make a chart on the</p>	Interactive method	<ul style="list-style-type: none"> Green board 	

ne y	<p>4.Physical education & sports for CWSN children with specific need divang.</p> <p>5.Physical fitness, wellness & lifestyle</p>	<ul style="list-style-type: none"> • • Meaning & importance of physical fitness, wellness & lifestyle • Components of physical fitness and wellness • Components of health related fitness. <ul style="list-style-type: none"> • Aims and object of adaptive physical 	<p>asanas, pranayamas, meditation and yogic kriyas.Make a project on elements of yoga.</p> <p>Make a chart on the components of physical fitness and wellness.</p> <p>Make a project on the importance of physical fitness, wellness and lifestyle.</p> <p>Make a flash card on health related fitness.</p>	<p>Explanation method</p> <p>Interactive method</p>	<ul style="list-style-type: none"> • Green board 	
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<p>ptemb tober</p>	<p>7.fundamentals of anatomy physiology & kinesiology in sports.</p> <p>8. Fundamentals of kinesiology and biomechanical in sports</p>	<p>education</p> <ul style="list-style-type: none"> • Meaning, objectives & types of adventure sports (rock climbing, tracking, river, rafting, mountaineering, surfing and paragliding. • Safety measures to prevent sports injuries. <p>Revision</p> <ul style="list-style-type: none"> • Defining and importance of anatomy, physiology & kinesiology. • Function of speleton system and circulatory system. • Properties and function of muscles. • Equilibrium – dynamic & static and centre of gravity and its application in sports 	<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>Make a chart measurement of health related fitness.</p> <p>Make a chart showing importance measurement and</p>	<p>Explanation method</p> <p>Demonstration method</p>	<ul style="list-style-type: none"> • Green board 	
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Make a chart on the
Warming up and
Limbering down.

- **Green board**
- **Educomp smart board**

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Jain Vidya Mandir Sr. Sec. School, Sonipat

Annual Planner (2023-24)

Class 11th (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	* Primary and Secondary Sources of Data *Modes of Data Collection			Green board Educomp NCERT Textbook
Week 3	Part B: Introductory Microeconomics Ch.1- Economics and Economy	*What Economics is about ? *Micro and Macro economics *Positive and normative economics *Nature and types of economy	Lecture method		
Week 4		*Central problems		Group discussion on different central	

MAY Week 1	Ch.2- Central Problems of an Economy Ch. 3 Census and Sample methods of Collection of Data	of an an economy *Production Possibility curve *The concept of opportunity cost *Census method *Sample method *Important sources of secondary data	Problem Solving method Problem solving discussion	problems of any economy Group discussion on which method Census or sample would you prefer if you are to study economic conditions of the people in your area?	Green board Educomp NCERT Textbook
Week 2	Ch.4. Organisation of Data	* Concept of variable; frequency distribution	Problem solving discussion		
Week 3	Ch.-- 3 Consumer's Equilibrium Utility Analysis	*Concept and Measurement of Utility *Law of of diminishing marginal utility *Consumer Equilibrium with the help of Utility Analysis	Lecture method And Demonstration Method	Draw the diagram and the table of diminishing marginal utility on A4 size sheet	Green board Educomp NCERT Textbook
Week 4	Ch - 4 Consumer's Equilibrium Indifference Curve Analysis	*Consumer's Equilibrium *Indifference set and indifference	Demonstration Method	Draw the diagrams of rotation and shifting of	Green board

		curve *Properties of indifference curve *Budget Set, Budget Line		budget line on a chart	Educomp NCERT Textbook
JUNE	SUMMER	BREAK
JULY					
Week 1	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 2	Ch.6 Diagrammatic Presentation of data- Bar Diagrams and Pie Diagrams	Bar diagrams and its types Pie or circular diagrams			
Week 3	Ch. 5 Theory of Demand	*Concept of demand and Determinants *Movement and Shifting of demand curve *Demand schedule *Demand curve and its slope	Problem solving and Demonstration method		Green board Educomp NCERT Textbook
Week 4	Ch. 6 Price Elasticity of Demand	*Concept of Elasticity of Demand *Measurement of price elasticity of	Brain Storming Method	Work Sheets on numericals of calculating price elasticity of demand	

		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	*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 Average ,Marginal and Total Cost	Lecture and Demonstration Method	Draw diagrams showing relation between *TC,TVC, TFC *AC,AVCand AFC	Green board Educomp NCERT Textbook
SEPT.	REVISION	AND HALF	YEARLY	EXAMS

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 *Graphical determination of median		Worksheets on the numericals of mean, median and mode	
Week 3	Ch. 10 Mode (Cont.)	*Mode and its Calculation by arithmetic mean and median	Problem Solving Method		Green board Educomp NCERT Textbook
Week 4	Ch.9 Concept of Revenue	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	
	Ch.10 producer's equilibrium (Deleted)	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 *Spears-man Rank Correlation	Problem Solving Method	Numericals based work sheets	Green board Educomp NCERT Textbook
Week 3	Ch.11 Theory of Supply	Concept of supply Supply schedule Supply curve and its slope Law of supply	Lecture method	Group discussion on different types of Market with examples	
Week 4	Ch. 12 Forms of Market	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	Problem solving discussion	Numericals based work sheets	Green board Educomp

Week 2	Ch.13 Market Equilibrium under Perfect Competition and Effects of Shifts in Demand and Supply	number, inflation and index number *Concept of market equilibrium *Determination of market equilibrium	Interactive and lecture method	Draw the diagrams of price ceiling and price flooring on a chart	NCERT Textbook
JAN.	WINTER	BREAK
FEB.	Revision and	Final Exams			

Jain Vidya Mandir Sr. Sec. School, Sonipat
Annual Planner (2023-24)
Class-11th(History)

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
JUNE	SUMMER BREAK				
JULY	Section- A Early Societies				Chalk Duster Green board Educomp NCERT Textbooks
Week -1	1.Introduction to world history	*Introduction of the themes *Introduction of the	Problem solving discussion	*Discussion on whether city life would have been possible without the use of metals. *Draw the Palace at Mari of king Zimrilim.	
Week-2	2. Introduction	early societies * Growth of towns *Nature of early urban societies			
Week-3	3.Writing and city life	*Historians' Debate on uses of writing			
Week-4	Section-B Empires 4. Introduction	*Introduction to the new themes	Interactive lecture method	*Make a flow chart related to the three main players in the	Chalk Duster Green board Educomp NCERT Textbook
AUG Week-1	5.An Empire across three continents	Focus: Roman Empire, 27 BCE to 600 CE			
Week-2		* Political			

Week-3	6.Nomadic Empires	evolution	Problem Solving and Case Study Method	political history of Roman empire * Collect pictures related to the pottery of Roman empire	
Week-4		* Eco.Expansion * Religion-culture foundation * Late Antiquity *Historians' view on the Institution of Slavery			
SEPT	Revision and half yearly	EXAM	Interactive Explanation Method	*Group discussion related to the social and Political background of Mongols	

OCT Week-1	Section C: Changing Traditions	Focus: Western Europe 13th -	Discussion Method	*Debate on feudalism	Chalk Duster Green board Educomp NCERT Textbook
Week-2	7 The Three Orders	16th century *Feudal society and economy		* make a project on Relations between church and society	
Week-3	8 Changing Cultural Traditions	* Formation of state * Church and society			
Week-4		* Historians' views on decline			
NOV Week-1	Section- D Introduction 10. Displacing Indigenous People	Focus: Europe 14th -17th century *New ideas and new trends in literature and arts	Story Telling Method and Interactive lecture Method	*Write the summary of the nationalis t upsurge in China	
Week-2		* Relationship with earlier ideas * The contribution of West Asia		*Discussi on the reasons of the progress of Japan, China, Korea	
Week-3	11. Paths To Modernization	* Historians' viewpoint on the validity of the notion 'European Renaissance		*make a chart related to	

Week-4		Focus: East Asia, late 19th to 20th century		the transform ation of china	
DEC Week-1		a) Militarization and economic growth in Japan			Educomp And map
Week-2		b) China and the communist alternative			
Week-3	MAP WORK OF THE RELATED THEMES	c) Historians' Debate on the meaning of modernization			
	Revision and Unit- test				
	REVISION AND	EXAM			

JAN& FEB	FINAL				

JAIN VIDYA MANDIR SR. SEC. SCHOOL
ANNUAL PLANNER(2023-24)
CLASS-XI
SUBJECT- MATHS

BOOK:NCERT

MONT H	CHAPTER	TOPICS	Art Integrated activity	METHODOLOG Y	TEACHING AIDS/INSTRU CT-IONAL AIDS
<i>APRIL</i>					
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
<i>APRIL WEEK 3 WEEK4</i>	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	1. <i>To distinguish betwee a relation and function using</i>	Demonstration , Graphic organizers, problem	Chalk board, duster, arrow

<p>MAY WEEK 1 WEEK 2</p>	<p>Trigonometric Functions</p>	<p>itself (up to $\mathbb{R} \times \mathbb{R} \times \mathbb{R}$). 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.</p> <p>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 $\sin^2x + \cos^2x = 1$, for all x. 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</p>	<p><i>thread and bangle.</i> <i>2. Draw an attractive graph of constant function,</i> <i>3. modulus function</i> <i>4. signum function using graph and thread</i></p> <p>Draw curve of:</p> <ol style="list-style-type: none"> 1. sine 2. cosine 3. Tangent with the help of sketch or thread 	<p>solving.</p>	<p>diagram on chart, smart class.</p>
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		<p>identities like:</p> <p>$\tan(x \pm y), \cot(x \pm y), \sin \alpha \pm \sin \beta, \sin 2x$ etc.</p>	<p>make a A4 Size sheet and write all formula of trigo</p>		
<p><i>MAY</i> <i>WEEK 1</i> <i>WEEK 2</i></p>	<p>Complex Numbers and Quadratic Equations</p>	<p>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</p>	<p>1. make a curve of parabola using sketch</p>		<p>Chalk board, Duster, Smart Class</p>
<p><i>WEEK 3</i></p>	<p>Linear</p>	<p>Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.</p>	<p>To verify that the graph of a given</p>		<p>Chalk board, Duster,</p>

<i>WEEK 4</i>	Inequalities		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.		Smart Class
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UNIT TEST

<i>JULY WEEK 1 WEEK 2.</i>	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	Explanation, Brain storming	Chalk board, Duster, Smart Class
	Binomial	History, statement and proof of the			

<p><i>WEEK 3</i> <i>WEEK 4</i></p>	<p>Theorm</p>	<p>binomial theorem for positive integral indices. Pascal's triangle, simple applications.</p>	<p>show all the ways of approaching school 3. make a game on Permutations</p> <p>To construct a Pascal Triangle and to write binomial expansion</p>		
<p><i>SEPTEMBER</i></p>	<p>Revision and Half Yearly Exams</p>				
<p><i>AUGUST</i> <i>T</i> <i>WEEK 1</i> <i>WEEK 2</i></p>	<p>Sequence and Series</p>	<p>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.</p> <p>Revision and Half Yearly Exams</p>	<p>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</p>	<p>Discovery Method, Problem Solving, Project</p>	<p>Chalk board, Duster, Smart Class, Models</p>

<p><i>SEPTE M—BER OCTOB ER WEEK 1 WEEK 2</i></p>	<p>Introduction to Three- dimensional Geometry</p>	<p>Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points</p>	<p>1.To make model of octants 2. make any 3d sketch /pattern /graphics 3.show derivation of distance formula</p>		
<p><i>WEEK 3 WEEK 4</i></p>	<p>Probability</p>	<p>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.</p>	<p>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</p>		

<i>NOVEMBER</i> <i>WEEK 1</i> <i>WEEK 2</i>	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
<i>WEEK 3</i> <i>WEEK 4</i>	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		
<i>DECEM -BER WEEK 1 AND 2</i>	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
<i>WEEK 3 WEEK 4</i>	Statistics	Measures of Dispersion: Range, Mean Deviation, variance and standard deviation of ungrouped/grouped data.			
<i>JANUA RY</i>	UNIT TEST-2				
<i>FEBRU-</i>	REVISION AND ANNUAL EXAMS				

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MARCH	ANNUAL EXAMS

ANNUAL PLANNER (2023-24)
XI
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 ,	<ul style="list-style-type: none"> ➤ History of typewriter will be given ➤ Group discussion will be given on different types of typewriter 	<ol style="list-style-type: none"> 1. Lecture cum Discussion Method 2. Illustration Method 	White board, marker,duster, pointer, computer system, flash cards course book
	Week-II		Standard Typewriter , Noiseless Typewriter , Portable Typewriter , Electric Typewriter , Electronic Typewriter , Computers , Laptops	Training will be given to students for touch method of typing	1. Lecture Method cum demonstration method	
	Week-III	Keyboard Operations	Introduction , Objectives , Keyboard , QWERTY	Students will do practice of different rows using touch method in typing master		White board, marker, duster, pointer, Computer, typing software ,course book

	Week-4		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	After learning all rows of keyboard paragraph will be given for practice		
May	Week-1	Computer Hardware	Input devices, Output devices,	Hardware parts will be shown to students in lab	1. Lecture cum & Demonstration Method	Black board , chalk , duster, pointer,computer system
	Week-2		Serial ports, Parallel Ports	Serial ports and parallel port of computer will be shown to students	2. Brain Storming	
	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 ,	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 folders	1. Lecture Method cum demonstration method	Black board , chalk , duster, pointer, computer system, MS Office

	Week-4		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			
June		Summer - Break				
July	UT + Week-1	Introduction to Office	,Introduction to Word, Introduction to Excel, Introduction to Power Point, Introduction to Outlook ,Working with the Office Assistant ,	Creating documents ,editing documents with different features of words ,excel and power point	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker,duster, pointer,computer system, MS office
	Week-2		Office Short Cut Bar, Customizing the Office Shortcut Bar ,Exit the office shortcut bar			
	Week-3	MS Word(part-1)	Beginning with word a) Edit document b) Format document c)	Creating documents ,editing documents with	. Demonstration Method	White board, marker,duster,

			Tables & Graphics Documents prepared using MS word, Application window of MS Word,	different features of words will be taught to students		pointer,computer system, MS office
July	Week-4	MS Word(part-1)	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 Students will practice practical concepts in MS word	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker,duster, pointer,computer system, MS office software
August	Week-1		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			
	Week-2		FORMATTING WITH WORD Formatting the text , Changing the text			

			border , Mail Merge			
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> <p>Session 4: Pronunciation Basics</p> <p>Session 5: Communication Styles — Assertiveness</p> <p>Session 6: Saying No — Refusal Skills</p>	Different types of communication will be learn 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 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>			

	Week-2		<p>Closing, Opening and Printing Document</p> <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>practical concepts in libre Office</p> <p>Apart from using different features of Libre Office students will be learn and practice : Mail merge, work with tables, shapes , images, lists etc.</p>		
December	Week-3 Week-4	Entrepreneurship Skills	<p>Session 1: Introduction to Entrepreneurship</p> <p>Session 2: Values of an Entrepreneur</p> <p>Session 3: Attitude of an Entrepreneur</p> <p>Session 4: Thinking Like an Entrepreneur</p> <p>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	Week-1 Week-2	Green Skills (Syllabus completion) + Revesion	Session 7: Business Planning 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	1. Prepare posters on green Economy 2. Motivate students to plant a tree. 3. Motivate students to buy energy efficient products 4. Motivate students to do environment friendly jobs in their routine life. etc.	1. lecture cum Discussion Method 2. Brain storming method	White board, marker,duster, pointer,computer system, Google,Internet ,course book
Feb		Revision				