

**SUBJECT – ENGLISH CORE**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Passages for Comprehension The Portrait of a Lady	To strengthen concept clarity along with vocabulary enhancement To point out the relevance of a strong relationship with elders	Discussion of Poetic Devices with examples from various contemporary poems	
May	Exercises based on Tense A Photograph	To develop the ability to write flawless language To understand the transient nature of human life.		Step 1 of the Project.... Discussing the aim and objective of the final English Project
July	Passages for Note Making & Summary Writing Classified Ads- Property & Job Speech Error Correction The Summer of a Beautiful White Horse The Tale of Melon City Revision of all the lessons done in April and May	To develop the skill of making notes and summarizing To convey needs and requirements in a concise and precise way To present ideas on given issues in a convincing way. To develop the ability to find grammatical errors and write flawless language. To know that essential goodness in a human being remains intact To point out that misuse of Power and a lack of wisdom result in a catastrophic situation.	Deliver a Speech on any relevant topic	Preparing the initial pages of the project file- preface, acknowledgment, etc
August	Passages for Note Making Classified ads Matrimonial, Sale & Purchase Posters Jumbled Words We're Not Afraid to Die..... The Laburnum Top Voice of the Rain The Address Discovering Tut- The Saga Continues	To develop the skill of making notes and summarizing To convey needs and requirements in concise and precise way To present topics of educational and social relevance aesthetically. To develop confidence and proficiency in the use of language skills To appreciate the importance of courage and determination in adverse circumstances. To emphasize the phenomena of transfer of energy present in Nature	Design colourful posters based on social issues	



		To appreciate the bounties of nature in the form of rain. To explain the impact of war. To point out the contribution of technology in studying the past.		
September	Passages for Comprehension & Note Making Debate Editing	To develop comprehension skills along with vocabulary enhancement To express arguments in a coherent way To develop the ability to identify mistakes and correct them	Assessment of Listening Skills	Research-based questions for the project file covering textbooks
October	Passages for Note Making (practice) Classified Ads Error Correction Childhood Mother's Day	To develop the skill of making notes and summarizing Revision To use different grammatical structures in appropriate contexts. To know the constraints of adult life. To realize the value of mothers and respect them	Draft all kinds of Classified Ads	
November	Passages for Comprehension (practice) Speech & Debate Omission Father to Son The Adventure	To build confidence regarding concept clarity along with vocabulary enhancement Revision To develop confidence and proficiency in the use of language skills To point out changing relationship between parents and children. To acquaint with the genre of time travel	Debating on current issues	Final compilation of the project file
December	Revision & Practice of Reading and Writing Skills The Silk Road Birth	To develop fluency in English To develop a liking for reading travelogues To know that persistent efforts bring results	MCQ and extrapolatory based assignment	
January & February	Revision	To develop confidence and proficiency in the use of language skills		Submission of Project File

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
READING SECTION:	READING SECTION: Comprehension Passage	READING SECTION: Comprehension Passage	Complete Syllabus	Complete Syllabus



Note Making & Summary WRITING SECTION: Classified Ads, Speech GRAMMAR SECTION: Error Correction LITERATURE SECTION: The Portrait of a Lady, The Summer of a Beautiful White Horse A Photograph & The Tale of Melon City	and Note Making & Summary Writing WRITING SECTION: Classified Ads, Posters, Speech, Debate GRAMMAR SECTION: Editing, Gap Filling & Jumbled Words LITERATURE SECTION: The Portrait of a Lady, We're Not Afraid to Die..., Discovering Tut, A Photograph, Laburnum Top, Voice of the Rain, The Summer of a Beautiful White Horse, The Address, The Tale of Melon City	WRITING SECTION: Posters, Debate GRAMMAR SECTION: Editing & Jumbled Words LITERATURE SECTION: The Adventure, Childhood, Mother's Day		
	Assessment of Speaking & Listening			Assessment of Speaking and Listening

**SUBJECT – GEOGRAPHY**

Month	Book	Name Of Chapter	Objective/Aim	Subject Enrichment
April	Fundamentals Of Physical Geography	CH-1 Geography as a Discipline	<ul style="list-style-type: none"> Geography as an integrating discipline, as a science of spatial attributes Branches of Geography: Physical Geography and Human Geography 	
	Fundamentals Of Physical Geography	CH-2 The Origin and Evolution of the Earth	<ul style="list-style-type: none"> Origin and evolution of the earth Theories related to formation of Earth, Stars, Moon, and Sun 	Diagram
	Indian Physical Environment	CH-1 India-Location	<ul style="list-style-type: none"> India: Location, space relations, India's place in the world 	Map work
May	Fundamentals Of Physical Geography	CH-3 Interior of the Earth	<ul style="list-style-type: none"> Interior of the earth Earthquakes and volcanoes: causes, types, and effects P-waves, S-waves, L-Waves 	Diagram
	Practical Work in Geography-I	CH-1 Introduction to Maps	<ul style="list-style-type: none"> Concept of Geographical data matrix Point, line, area, data 	File preparation
July	Fundamentals Of Physical Geography	CH-4 Distribution of Oceans and Continents	<ul style="list-style-type: none"> Distribution of oceans and continents Wegener's continental drift theory Plate tectonics 	Map work
	Indian Physical Environment	CH-2 Structure and Physiography	<ul style="list-style-type: none"> Structure and Relief; Physiographic Divisions Himalayan block formation Northern plain formation Peninsular block formation 	Map work
August	Fundamentals Of Physical Geography	CH-5 Geomorphic Processes	<ul style="list-style-type: none"> Geomorphic processes Weathering, mass wasting, erosion, and deposition Soil Formation 	Diagrams
	Fundamentals Of Physical Geography	CH-6 Landforms and their Evolution	<ul style="list-style-type: none"> Landforms and their evolution Erosional and depositional features 	Diagrams
	Fundamentals Of Physical Geography	CH-7 Composition and Structure of Atmosphere	<ul style="list-style-type: none"> Composition of Atmosphere Structure of Atmosphere 	Diagrams
	Indian Physical Environment	CH-3 Drainage System	<ul style="list-style-type: none"> Drainage systems: Concept of river basins, watershed The Himalayan and the Peninsular rivers 	
	Practical Work in Geography-I	CH-2 Map Scale	<ul style="list-style-type: none"> Maps - types; scales-types 	Map Scale making



			<ul style="list-style-type: none"> Construction of simple linear scale, measuring distance Finding direction and use of symbols 	
September	Revision and Half Yearly			
October	Fundamentals Of Physical Geography	CH-8 Solar Radiation, Heat Budget, and Temperature	<ul style="list-style-type: none"> Solar Radiation-Insolation-angle of incidence and distribution Heat budget of the earth Heating and cooling of atmosphere (conduction, convection, terrestrial radiation, and advection) 	Diagrams
	Fundamentals Of Physical Geography	CH-9 Atmospheric Circulation and Weather System	<ul style="list-style-type: none"> Factors controlling temperature, distribution of temperature- horizontal and vertical, inversion of temperature. Atmospheric circulation and weather systems - Pressure-pressure belt Winds-planetary, seasonal, and local; air masses and fronts Tropical and extra tropical cyclones 	Diagram
	Indian Physical Environment	CH-4 Climate	<ul style="list-style-type: none"> Weather and climate Spatial and temporal distribution of temperature Indian monsoon: its mechanism Onset and withdrawal 	Map work
	Practical Work in Geography-I	CH-3 Latitude, Longitude and Time	<ul style="list-style-type: none"> Latitude, longitude, and time 	International Date line construction
November	Fundamentals Of Physical Geography	CH-10 Water in Atmosphere	<ul style="list-style-type: none"> Evaporation Condensation-dew, frost, fog, mist Cloud; rainfall-types and world distribution 	
	Fundamentals Of Physical Geography	CH-11 World Climate and Climate Change	<ul style="list-style-type: none"> World Climate and Global Concerns Global warming and its causes 	Internal Assessment
	Indian Physical Environment	CH-5 Natural Vegetation	<ul style="list-style-type: none"> Type of Vegetation Forest cover Forest conservation Man, and Biosphere program 	Map works on Vegetation. Travelogue on UNESCO MAB Program
	Practical Work in Geography-I	CH-4 Map Projection	<ul style="list-style-type: none"> Map projection- typology, construction, and properties of Projection Conical with one standard parallel and Mercator's projection. 	Map projection construction



December	Fundamentals Of Physical Geography	CH- 12 Water (Oceans)	<ul style="list-style-type: none"> Relief features of the Ocean Ocean temperature- Horizontal and vertical temperature of Ocean Salinity 	Diagrams
	Fundamentals Of Physical Geography	CH-13 Movements of Ocean Water	<ul style="list-style-type: none"> Basics of Oceanography Oceans - distribution of temperature and salinity Movements of ocean water-waves, tides, and currents; submarine reliefs 	Diagrams
	Practical Work in Geography-I	CH-5 Topographical Maps	<ul style="list-style-type: none"> Study of topographic maps (1:50,000 and 1:25,000) Contour cross, section Identification of landforms-slopes, hills, valleys, waterfall, cliffs; distribution of settlements 	Contour making Toposheet interpretation
	Fundamentals Of Physical Geography	CH-14 Biodiversity and Conservation	<ul style="list-style-type: none"> Biodiversity and conservation 	Internal assessment
	Indian Physical Environment	CH-6 Natural Hazards and Disaster	<ul style="list-style-type: none"> Floods, Cloudbursts Droughts: types and impact Earthquakes and Tsunami Cyclones: features and impact Landslides 	Internal assessment
	Practical Work in Geography-I	CH-6 Introduction to Remote Sensing	<ul style="list-style-type: none"> Stages in remote sensing Data- acquisition, platform and sensors and data products Photographic and digital 	Analyzing Satellite images

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Book 1 Ch. 1. Geography as a discipline Ch. 2. The origin and evolution of the earth Book 2 Ch.1. India-Location Ch. 2. Structure And Physiography	Book 1 Ch. 3. Interior of the Earth Ch.4. Distribution of Oceans and Continents Ch. 5. Geomorphic Processes Ch. 6. Landforms and Evolution Ch. 7. Composition and Structure of Atmosphere Book 2 Ch.1. India-Location	Book 1 Ch. 8. Solar radiation heat balance and temperature Ch. 9. Atmospheric Circulation and Weather System Book 2 Ch. 4. Climate	Book 1 Ch. 1. Geography as a discipline Ch. 2. The origin and evolution of the earth Ch. 3. Interior of the earth Ch. 4. Distribution of Oceans and continents Ch. 5. Geomorphic processes Ch. 6. Landforms and their evolution Ch. 7. Composition and structure of atmosphere	Book 1 Ch. 1. Geography as a discipline Ch. 2. The origin and evolution of the earth Ch. 3. Interior of the earth Ch. 4. Distribution of Oceans and continents Ch. 5. Geomorphic processes Ch. 6. Landforms and their evolution Ch. 7. Composition and structure of atmosphere



	Ch. 2. Structure And Physiography Ch. 3. Drainage System		Ch. 7. Composition and structure of atmosphere Ch. 12. Water (oceans) Ch. 13. Movements of ocean water Book 2 Ch.2. Structure and physiography Ch. 3. Drainage Ch. 4. Climate Ch. 5. Natural vegetation	Ch. 8. Solar radiation heat balance and temperature Ch.9. Atmospheric circulation and weather system Ch. 10. Water in the atmosphere Ch. 13. Water (oceans) Ch. 14. Movements of ocean water Book 2 Ch.1. India: location Ch. 3. Drainage Ch. 4. Climate Ch. 5. Natural vegetation
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**SUBJECT – POLITICAL SCIENCE**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Ch 1- Constitution: Why and How? Ch 1-Political Theory: An Introduction	Familiarize students with the: <ul style="list-style-type: none"> Key aspects of the working of the Constitution. Various Institutions of the government in the country and their relationship with each other. Conditions and circumstances in which the Constitution of India was made. Key features of the Indian Constitution and other Constitutions of the world. Familiarize students with the: <ul style="list-style-type: none"> Meaning and importance of political theory in Political Science. Various political concepts Contribution of Political Thinkers Basic questions: a. How should society be organized? b. Why do we need a government? 	Quiz	
May	Ch 2 -Rights in the Indian Constitution Ch 2. Freedom	Familiarize students with the: <ul style="list-style-type: none"> Fundamental Rights enshrined in the Constitution of India Manner of protection of rights Role of the Judiciary in protecting and interpreting these rights Comparison between Fundamental Rights and the Directive Principles of State Policy. Familiarize students with the: <ul style="list-style-type: none"> Struggle of Nelson Mandela and Aung San Suu Kyi against the unjust Political System. Concept of 'Freedom'. Sources of Constraints and need for Constraints Importance of freedom for Individuals and the society in general. Differentiate between the Negative and Positive liberty. Harm Principle as advocated by J.S Mill 		CBSE Project
July	Ch 3 -Election and Representation Ch 3 -Equality	Familiarize students with the: <ul style="list-style-type: none"> Election process in India Structure and functions of the Election Commission of India Rationale of Free and Fair elections. Need for electoral reforms. Familiarize students with the: <ul style="list-style-type: none"> Concept of Equality. Different dimensions of equality—political, economic, and social 	Youth parliament	



		<ul style="list-style-type: none"> Various ideologies of Socialism, Marxism, Liberalism and Feminism. Different methods to promote equality. 		
August	Ch 4. Executive Ch 4.-Social Justice	Familiarize students with the: <ul style="list-style-type: none"> Meaning of Executive Distinction between Parliamentary and Presidential forms of Executive Power and position of the President of India. Composition, powers and functioning of the Council of Ministers and the importance of the Prime Minister Importance and functioning of the administrative machinery. Familiarize students with the: <ul style="list-style-type: none"> Meaning of Justice Principles of justice followed in different societies Concept of distributive and proportionate justice Arguments of John Rawls 'on fair and just society. Advantages and limitations of free market 	Presentation	
September	Ch 5. Legislature Ch 5.- Rights REVISION	Familiarize the students with the: <ul style="list-style-type: none"> Importance of Legislature. Types of Legislatures Unicameral and Bicameral. Powers and functions of the Indian Parliament. Law-making process and the different types of bills in India Instruments of parliamentary control over the executive. Composition, powers and functions of the Lok Sabha and Rajya Sabha. Familiarize students with the: <ul style="list-style-type: none"> Definition and significance of rights. Rights as guaranteed to all the citizens Importance of Human Rights Different kinds of rights Political, Civil, Socioeconomic, Cultural and Educational. 	Rapid fire	
October	Ch 6- Judiciary Ch 6- Citizenship	Familiarize the students with the: <ul style="list-style-type: none"> Need of an independent Judiciary. Different jurisdictions of the Supreme Court Distinction between Judicial Activism, Judicial Review and Judicial Over-reach Conflicts between Judiciary and Parliament. Familiarize students with the: <ul style="list-style-type: none"> Debates associated with citizenship Relationship between the citizen and the nation; and different criteria of citizenship adopted by various countries. Issues about refugees or illegal migrants Concept of Global Citizenship 	Debate	



November	Ch 7 Federalism Ch 7- Nationalism	<p>Familiarize the students with the:</p> <ul style="list-style-type: none"> • Key ideas & basic concepts of federalism. • Provisions of the Indian Constitution regarding federalism. • Need to have a strong central government in India owing to its diversity and size. • Issues involving relations between Centre and States. <p>Familiarize students with the:</p> <ul style="list-style-type: none"> • Emergence and phases of nationalism Distinction between state, nation, and nationalism • Concept of National self-determination • Difference between Nationalism and Pluralism 		
December	Ch 8 Local Governments Ch.9. Constitution as a Living Document	<p>Familiarize the students with the:</p> <ul style="list-style-type: none"> • Importance and need for local government. • Functions and responsibilities of local government bodies • Significance of the 73rd and 74th Amendments. Merits and demerits of decentralization • Challenges faced by local government bodies <p>Familiarize students with the:</p> <ul style="list-style-type: none"> • Working of the Indian Constitution • Response of the Indian Constitution to the changing circumstances • Process of amending the Indian Constitution • Different types of amendments 		
January	Ch 10- The Philosophy of the Constitution Ch.8. Secularism	<p>Familiarize students with the:</p> <ul style="list-style-type: none"> • Meaning and need for a political philosophy approach to the Constitution. • Intentions and concerns of those who framed the Constitution. • Philosophy of Indian Constitution. • Strengths and limitations of the Constitution. <p>Familiarize students with the:</p> <ul style="list-style-type: none"> • Meaning of Secularism • Inter-religious and Intrareligious Domination. • Characteristics of a Secular State. Western and Indian Model of Secularism. • Limitations of Indian Secularism 		
February	Revision			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Part A: CH-1&2 Part B: CH-1	Part A: CH-1,2,3,4 Part B: CH-1,2,3,4,5	Part A: CH- 5 Part B: CH- 6	Part A: CH – 1,2,3,4,5,6,7 Part B: CH- 1,2,3,4,5,6,7	Complete Syllabus

**SUBJECT – ECONOMICS**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Introduction of Statistics	To familiarize the students with the meaning, scope and importance of statistics in economics.		
May	Collection of data	Learners are expected to acquire skill in collection of data systematically: Methods of data collection.	Students will be asked to make a questionnaire and conduct a survey to collect information.	
July	Introduction of Microeconomics Organisation of data Consumer's Equilibrium	To make students aware of economy, economic problem and central problems of the economy. To develop the skill among students regarding PPC, change in PPC due to various economic conditions and the concept of MOC. Types of statistical series, Methods of construction of series and Classification techniques. Students will understand the concept of utility, total utility, marginal utility and law of diminishing marginal utility. Students would be able to understand the concept of consumer's equilibrium-Utility analysis and Indifference curve analysis.	Organize a class presentation on various recent government programmes and their impact on PPC of the country. Draw a flow chart of different statistical series Discuss in class the various consumption goods in which law of DMU can be applied.	
August	Presentation of data Theory of demand Measures of central tendency	students will understand the meaning of Histogram, bar diagram, pie diagram, frequency curve etc Students will be able to understand the concept of demand, law of demand, factors affecting demand and changes in demand due to various reasons. Students will be able to understand the meaning of mean & median	Drawing of various diagrams. Conduct a classroom presentation on those factors that affect demand. Collect and compare the marks of students and calculate averages out of it.	
September	Elasticity of demand Production Function	Students will understand Price elasticity of demand, degrees, measurement and factors affecting elasticity of demand. Students will understand the concept of production and law of variable proportions.	Conduct a class presentation of	



		Revision Half yearly- examination	budding entrepreneurs.	
October	Concept of Revenue & cost Producer's Equilibrium Measures of central tendency	Students will understand types of revenue and their relationship. Students will understand the cost and meaning and relationship. Students will understand the producer's equilibrium: meaning and its conditions in terms of MC&MR. Students will learn various methods of finding median & mode.	Collect some newspaper cutting of India's top entrepreneurs and make a collage.	
November	Theory of supply Correlation	Students would be able to understand the concept of supply, law of supply, factors affecting supply and changes in supply. Students will understand price elasticity of supply, degrees and measurement. Students will be able to learn Karl Pearson's methods of correlation: Actual mean, short-cut method and step-deviation method.	Automobile sector is facing a crisis, with a sharp decline in sales. Analyse the impact of this statement on the supply of cars with a PPT.	CBSE Specified Project
December	Correlation Forms of market	Students would be able to understand Spearman's rank difference methods of correlation. Students will understand different forms of market- perfect competition.	Make a report on the various products by classifying them according to different market forms.	
January	Index Numbers Market Equilibrium	To understand the meaning of index number, CPI & WPI. Students will understand the meaning and price determination under perfect competition & the shift in demand and supply and their impact on equilibrium price.	Visit the ration shops of your city and prepare a project on the working of ration shop.	
February	Revision			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Microeconomics Chapter- 1 Statistics Chapter 1-3	Microeconomics Chapter 1-4 Statistics Chapter 1- 8	Microeconomics Chapter 5-7 Statistics Chapter 8 & 9	Microeconomics Chapter 5-10 Statistics Chapter 6-10	Whole syllabus

**SUBJECT – MATHEMATICS**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity
April	Ch -1 Sets	To know about sets, subsets, and their representation, Venn diagrams, operations on sets, practical problems on Union and Intersection.	1.To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n
	Ch-2 Relations And Functions	To know ordered pair, Cartesian product, relations, functions, domain, co-domain, range and graphs of different functions.	2.To represent set theoretic operations using Venn diagrams.
May	Ch-2 Relations And Functions (Contd.)	To know ordered pair, Cartesian product, relations, functions, domain, co-domain, range and graphs of different functions.	3.To distinguish between a Relation and a Function
	Ch-3 Trigonometric Functions	To know trigonometric functions using unit circle, identities, formulas and their application	
July	Ch-3 Trigonometric Functions (Contd.)	To know trigonometric functions using unit circle, identities, formulas and their application	4.To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.
	Ch-4 Complex Numbers & Quadratic Equations Ch-5 Linear Inequalities	To make clear about complex numbers and real numbers of operations on complex numbers and multiplicative Inverse, conjugate, modulus and their properties. To make clear about the symbols less than, more than use in inequality, meaning of at least and at most, solution of inequality algebraically and graphically, word problems	
August	Ch-6 Permutations & Combinations	To understand the concept of fundamental principle of counting, factorial notation, permutations and combination and their properties with daily life examples	6. To construct a pascal triangle and to write binomial expansion for a given positive integer power
	Ch-7 Binomial Theorem Ch-8 Sequences and Series	Binomial expansion for a given positive integral power To Know about the sequence, Series, Arithmetic and geometric progressions and their Sum, mean and relation between them.	
September	Revision Ch-9 Straight Lines	Half Yearly Exams. To use algebra advantageously in study of straight line, their slopes and their properties	
October	Ch-9 Straight Lines (Contd.)	To use algebra advantageously in study of straight line, their slopes and their properties.	



	Ch-10 Conic Section	To learn about the intersection of a plane with a double napped cone, a right circular cone results in different types of the curve.	7. To construct ellipse when two fixed points are given.
November	Ch-10 Conic Section (Contd.) Ch-11 Introduction to Three-Dimensional Geometry Ch-12 Limits & Derivatives	To learn about the intersection of a plane with a double napped cone, a right circular cone results in different types of the curve To extend the knowledge of two-dimensional geometry to three-dimensional geometry. To find out the limits and derivatives of different functions	
December	Ch-12 Limits & Derivatives (Contd.) Ch-13 Statistics	To find out the limits and derivatives of different functions To learn about the important measures of dispersion and their methods of calculation for ungrouped and grouped data.	
January	Ch-14 Probability	To know about the basic terms, for random experiments with different cases to interpret the probability.	8. To find the sample space of (i) coins (ii) Playing cards
February	Revision and Annual Examination		

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Ch- 1, 2, 3	Ch- 1, 2, 3, 4, 5, 6, 7, 8	Ch- 9, 10, 11	Ch- 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Whole Syllabus

**SUBJECT – COMPUTER SCIENCE WITH PYTHON**

Month	Chapter Name	Objective / Aim	Lab Activity
April	Ch – 1 Computer System Organization	Description of a computer system and mobile system, CPU, memory, hard disk, I/O, Types of software, OS, utility, libraries, Language of Bits: bit, byte, MB, GB, TB, and PB. Execution of a program, Interpreters, Compiler and an interpreter, how an operating system runs a program, idea of loading, operating system as a resource manager, Concept of cloud computers, cloud storage (public/private), and brief introduction to parallel computing.	Introduction to Python environment <ul style="list-style-type: none"> • Interactive Mode • Script Mode • Operators & Operands
May	Ch – 2 Data Representation & Boolean Logic	Information representation: numbers in base 2, 8, 16, unsigned integers, binary addition, Strings: ASCII, UTF8, UTF32, ISCII (Indian script code), Boolean logic: OR, AND, NAND, NOR, XOR, NOT, truth tables, De Morgan's laws	Basic Programs of Python: <ul style="list-style-type: none"> • Add 2 numbers. • Make a simple calculator. • Calculate total & percentage of a student.
July	Ch – 3 Computational Thinking & Getting Started with Python Ch – 4 Python Programming Fundamentals	Introduction to problem solving, Steps for problem solving, Algorithms, Flowcharts, Pseudocode, computational thinking & its components, Familiarization with the basics of Python, features, advantages, disadvantages, how to install python, Python IDLE, Exiting Python. Variables, Multiple assignments, Keywords, expressions, Operators & its types, User Defined Functions, Indentation, Tokens, Comments process of writing a program, running it, and print statements; simple datatypes: integer, float, string	Basic Programs of Python: <ul style="list-style-type: none"> • Swap the values of two variables. • Conversion of Celsius to Fahrenheit & vice -versa. • Conversion of units of measurement. Basic Programs of Python: <ul style="list-style-type: none"> • To calculate the area & perimeter of various shapes. • Conversion from amount-in-dollars and dollar-to-rupee.
August	Ch – 5 Conditional & Looping Constructs Ch – 6 Strings in Python	Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, and divisibility. Notion of iterative computation and control flow: for, while, Nested loop, jump Statements- break, continue & pass. Strings: compare, concatenation, substring; various string operations & functions.	Basic Programs of Python: <ul style="list-style-type: none"> • Print numbers from 1 to 100. • Print the table of a given number. • Check for Palindrome, Armstrong number. • Print Fibonacci Series Basic Programs of Python: <ul style="list-style-type: none"> • Reverse a string. • Check whether a string is palindrome or not. • Count the occurrence of a character in a string.



September	Half Yearly Examinations		
October	Ch – 7 Lists in Python Ch – 8 Tuples and Dictionary	Lists: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers and names. Tuples and dictionary: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers and names.	Basic Programs of Python: <ul style="list-style-type: none"> • Enter elements in a list and find the sum. • Find the minimum & maximum element in a list/tuple. • Input a list of numbers and swap elements at the even location with the elements at the odd location. • Input a list/tuple of elements, search for a given element in the list/tuple. • Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have scored marks above 75.
November	Ch – 9 Introduction to Python Modules Ch – 10 Society, Law & Ethics	Importing module using import statement/ from statement, importing math module, random module, statistics module. Digital Footprints, Digital society & Netizen, Data Protection, Intellectual Property Rights, its violation, Cyber crime	Basic Programs of Python: <ul style="list-style-type: none"> • Create a module Area and define functions to find the area of circle, square, rectangle etc. Import the module and calculate the area of a shape.
December	Ch – 11 Cyber Safety	Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying, Appropriate usage of social networks: spread of rumors, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules, safely accessing web sites: adware, malware, viruses, Trojans, safely communicating data: secure connections, eavesdropping, phishing and identity verification, IT Act, 2000, E-Waste management.	<ul style="list-style-type: none"> • Revision of all the programming concepts.
PROJECT: The aim of the class project is to create something that is tangible and useful using Python file handling/Python-SQL connectivity. This should be done in groups of two to three students. The aim here is to find a real-world problem that is worthwhile solving. Students will choose a topic and prepare synopsis on the topic.			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Ch – 1, 2 & 3	Ch – 1 to 5	Ch – 6, 7, 8	Ch – 1 to 9	Complete Syllabus

**SUBJECT – INFORMATICS PRACTICES**

Month	Unit Name	Chapter Name	Objective / Aim	Lab Activity
April	Unit 1: Introduction to Computer System	Introduction to Computer System	Introduction to computers and computing: evolution of computing devices, components of a computer system and their interconnections, Input/Output devices. Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. 2 Software: purpose and types – system and application software, generic and specific purpose software.	Identify the components of the Computer System.
May	Unit 2: Introduction to Python	Introduction to Python	Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input and output statements, data type conversion, debugging, control statements: if-else, for loop	1. To find average and grade for given marks. 2. To find sale price of an item with given cost and discount (%). 3. To calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle. 4. To calculate Simple and Compound interest. 5. To calculate profit-loss for given Cost and Sell Price. 6. To calculate EMI for Amount, Period and Interest. 7. To calculate tax - GST / Income Tax.
July		List	Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.: len(), list(), append(), extend(), insert(), count(), find(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum()	8. To find the largest and smallest numbers in a list. 9. To find the third largest/smallest number in a list. 10. To find the sum of squares of the first 100 natural numbers. 11. To print the first 'n' multiples of given number. 12. To count the number of vowels in user entered string. 13. To print the words starting with a alphabet in a user entered string. 14. To



				print the number of occurrences of a given alphabet in each string.
August		Dictionary	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions: len(), dict(), keys(), values(), items(), get(), update(), clear(), del()	15. Create a dictionary to store names of states and their capitals. 16. Create a dictionary of students to store names and marks obtained in 5 subjects. 17. To print the highest and lowest values in the dictionary.
		NumPy	Creation of NumPy array from the list, Creation of 2D NumPy array.	
September	Half Yearly Examinations			
October	Unit 3: Database concepts and the Structured Query Language		Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: concept of attribute, domain, tuple, relation, candidate key, primary key, alternate key, foreign key. Structured Query Language: Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL: Creating a database, using database, showing tables using MySQL, Data Types: char, varchar, int, float, date Data Definition Commands: CREATE, DROP, ALTER (Add and Remove primary key, attribute). Data Query Commands: SELECT-FROM-WHERE, LIKE, BETWEEN, IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause Data Manipulation Commands: INSERT, UPDATE, DELETE.	19. To create student table with the student id, class, section, gender, name, dob, and marks as attributes where the student id is the primary key. 20. To insert the details of at least 10 students in the above table. 21. To display the entire content of table. 22. To display Rno, Name and Marks of those students who are scoring marks more than 50. 23. To find the average of marks from the student table. 24. To find the number of students, who are from section 'A'. 25. To display the information all the students, whose name starts with 'AN' (Examples: ANAND, ANGAD,..) 26. To display Rno, Name, DOB of those students who are born between '2005- 01- 01' and '2005-12-31'. 27. To display Rno, Name, DOB, Marks, Email of those male students in ascending order of their names.



				28. To display Rno, Gender, Name, DOB, Marks, Email in descending order of their marks. 29. To display the unique section available in the table.
November	Unit 4: Introduction to the Emerging Trends		Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.	<ul style="list-style-type: none"> Identify the Emerging trends in the fields of Information Technology.
December	Revision			
January	Revision			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Unit 1: Introduction to Computer System Unit 2: Introduction to Python	Unit 1: Introduction to Computer System Unit 2: Introduction to Python List, Dictionary	Unit 3: Database Concepts and The Structured Query Language	Unit 2: Introduction to Python List, Dictionary Unit 3: Database Concepts and The Structured Query Language	Complete Syllabus

**SUBJECT – ARTIFICIAL INTELLIGENCE**

Month	Unit Name	Learning Outcomes	Practical
May	Part A: Unit I: Communication Skills III	<p>Students will be able to:</p> <ul style="list-style-type: none"> Identify the elements of Communication, understand communication cycle, identify the factors affecting our perspectives in communication. Understand Verbal Communication, 7 Cs of Communication. Explain the importance of non – verbal and visual communication. Use the right non – verbal communication at work. Avoid common mistakes in non – verbal communication. Explain the meaning of Phonetics. Differentiate between Vowel, Diphthong and Consonant. Understand different Communication Styles. Saying No — Demonstrate the knowledge of using Refusal Skills. Revise their knowledge of Writing Skills, they will learn Parts of Speech, Sentences. Understand the relevance of Greetings and Introduction, talking about self, Asking Questions, talking about Family, Describing Habits and Routines, Asking for Directions 	<ul style="list-style-type: none"> Categorize the given applications into the three domains. IBM Skills Build – Introduction to AI
July	Part A: Unit II: Self – Management Skills III Part B: Unit I: Introduction : Artificial Intelligence for everyone Part B: Unit II: Unlocking your future in AI	<p>Students will be able to:</p> <ul style="list-style-type: none"> Understand Strength and Weakness Analysis List the benefits of Grooming, Follow the guidelines for grooming. List the benefits of maintaining Personal Hygiene. Explain the meaning of Team, Describe the benefits of working in a Team, Describe the importance of achieving the team’s goal. Understand and develop Networking Skills. Explain the meaning of Self-motivation. Understand Goal Setting, SMART Goals, understand the best way to work on long term goals. Describe the importance of Time Management. <p>Students will be able to:</p> <ul style="list-style-type: none"> Communicate effectively about AI concepts and applications in written and oral formats. Describe the historical development of AI. Differentiate between various types and domains of AI, including their applications. Recognize the key terminologies and concepts related to machine learning and deep learning. Formulate informed opinions on the potential benefits and limitations of AI in various contexts. <p>Students will be able to:</p> <ul style="list-style-type: none"> Articulate the demand for AI professionals and the diverse career opportunities available in the field. Identify the requisite skills and tools needed to pursue a career in artificial intelligence. 	<ul style="list-style-type: none"> Identify ten companies currently hiring employees for specific AI positions. Note down the technical skills and soft skills listed by any two companies for the specific AI position.



		<ul style="list-style-type: none"> Understand the potential roles and responsibilities of AI professionals across different industries. Explore resources for further learning and skill development in the field of AI. Evaluate their own interests and skills to determine potential pathways for a career in AI. 	
August	<p>Part B: Unit III: Python Programming</p> <p>Part B: Unit IV: Introduction to Capstone Project</p> <p>Part A: Unit III: ICT Skills III</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> Explain the basics of python programming language and write programs with basic concepts of tokens. Use selective and iterative statements effectively. Gains practical knowledge on how to use the libraries efficiently. <p>Students will be able to:</p> <ul style="list-style-type: none"> Decompose any problem using the 5W1H method. Apply Design thinking methodology. Create empathy maps. Align problems to SDGs. Apply all the learnings in solving real world problems. Comfortably express their solution to a problem in non-technical words. <p>Students will be able to:</p> <ul style="list-style-type: none"> Understand ICT. Explain what a word processor is, Learn Basic Interface of LibreOffice Writer, Learn Saving, Closing, Opening and Printing Document. Learn to format text in a Word Document. Learn to Check Spelling and Grammar, Inserting Lists, Tables, Pictures, and Shapes. Learn to insert Header, Footer and Page Number. Explain the need of tracking changes in LibreOffice Writer. 	<ul style="list-style-type: none"> Python programs using operators, data types, control statements. Python programs on Numpy, Pandas, Scikit-learn. Create an empathy map for a given scenario. Project Abstract Creation Using Design Thinking Framework. Python programs to demonstrate the use of mean, median, mode, standard deviation and variance. Python programs to visualize the line graph, bar graph, histogram, scatter graph and pie chart using matplotlib.
September	Revision and Half Yearly Examination		
October	<p>Part B: Unit V: Data Literacy – Data Collection to Data Analysis</p> <p>Part B: Unit VI: Machine Learning Algorithms</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> Explain the importance of data literacy in AI. Identify different data collection methods and their applications. Comprehend mathematical concepts related to matrices, its operations, and applications. Apply basic data analysis techniques to analyze data. Visualize the data using different techniques. <p>Students will be able to:</p> <ul style="list-style-type: none"> Differentiate the different types of machine learning methods. They will be able to understand the concept behind each machine learning method. Apply these methods to develop simple solutions for some day-to-day situations. 	<ul style="list-style-type: none"> Calculation of pearson correlation coefficient in MS – Excel. Demonstration of Linear regression in MS – Excel / using python program. Demonstration of k – Nearest Neighbour using python program. Demonstration of k – means



		<ul style="list-style-type: none"> Build up this knowledge to the next level to apply during Capstone Project development. 	clustering using python program.
November	Part A: Unit IV: Entrepreneurial Skills III Part B: Unit VII: Leveraging Linguistics and Computer Science	<p>Students will be able to:</p> <ul style="list-style-type: none"> Learn and understand Entrepreneurship. Learn and understand the values of an Entrepreneur, Attitude of an Entrepreneur. Learn to think like an entrepreneur. Come up with a Business Idea. Understand the Market and Business Planning <p>Students will be able to:</p> <ul style="list-style-type: none"> Develop a better understanding of the complexities of language and the challenges involved in NLP tasks. Learn new techniques and algorithms for NLP tasks. 	<ul style="list-style-type: none"> Create a chatbot on ordering ice-creams using any of the following platforms: <ol style="list-style-type: none"> Google Dialogflow Botsify.com Botpress.com Any other online platform Python program to demonstrate the working of a chatbot. Python program to summarize the given text.
December	Part B: Unit VIII: AI Ethics and Values Part A: Unit V: Green Skills III	<p>Students will be able to:</p> <ul style="list-style-type: none"> Demonstrate an understanding of the fundamental principles of ethics and gain insight into ethical considerations related to AI technologies. Develop an understanding of AI bias, its sources, and its real-world implications, as well as the ethical considerations. Identify and apply strategies for mitigating bias in AI systems to promote fairness and transparency in technology. Recognize the significance of AI policies in promoting responsible, safe, and ethical use of AI technologies. <p>Students will be able to:</p> <ul style="list-style-type: none"> Understand Sectors of Green Economy. Learn and analyze Policies for a Green Economy. Understand the Stakeholders in Green Economy. Understand and relate the role of Government and Private Agencies. 	<ul style="list-style-type: none"> Summarize your insights and interpretations from the video "Humans need not apply." Comparative study of AI policies (that involve examining guidelines and principles) established by various organizations and regulatory bodies. Understanding ethical dilemma using Moral machine Survival of the best fit.
January	Revision and Qualifying Examination.		
February	Revision and Annual Examination		

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Part A: Unit I, II Part B: Unit I, II	Part A: Unit I, II, III Part B: Unit I, II, III, IV	Part A: Unit IV Part B: Unit V, VI	Part A: Unit I to V Part B: Unit I to VI and VIII	Complete Syllabus

**SUBJECT – PSYCHOLOGY**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment /Lab Activity	Project
April	Chapter-1 What is Psychology?	<ul style="list-style-type: none"> Develop the understanding of mind and behaviour. Explain different fields of Psychology, its discipline, and professions. Develop the understanding of value of psychology in daily life. 	Arrange different areas of psychology according to your interest.	
May	Chapter-2 Methods of enquiry	<ul style="list-style-type: none"> Explain the goals and nature of psychological enquiry. Explain the important methods of psychological enquiry. Develop the understanding about the limitations of psychological enquiry and ethical considerations. 		Students will prepare project by using different methods of psychological enquiry.
July	Chapter-3 Human Development	<ul style="list-style-type: none"> Explain the meaning and process of development. Explain and identify the stages of development and describe the major characteristics of infancy, childhood, Adolescence, adulthood and old age 	Interview people from 3 different stages of life, for example, 20-30, 35-60, 60 years of age and find out major transitions that have taken place in their lives.	
August	Chapter-4 Sensory Attentional and Perceptual Processes	<ul style="list-style-type: none"> Develop the understanding of nature of sensory processes. Explain the types and processes of attention. Develop the understanding of the role of socio-cultural factors in perception. 		
September	Chapter-5 Learning	<ul style="list-style-type: none"> Develop the understanding of the nature and features of learning. Explain the types of learning. Acquainted with the leaning principles. 	Experiment on Methods of Verbal Learning.	
October	Chapter-6 Memory	<ul style="list-style-type: none"> Develop the understanding of the nature of memory. Develop the understanding of the nature and causes of forgetting. Develop the skills for improving memory. 	Experiment based on Memory processes.	
November	Chapter-7 Thinking	<ul style="list-style-type: none"> Understand the nature of thinking and Reasoning. 		



		<ul style="list-style-type: none"> Understand the nature and process of creative thinking and learn the ways of enhancing it. Understand the relationship between language and thought. 		
December	Chapter-8 Motivation and Emotion	<ul style="list-style-type: none"> Understand the nature of human motivation. Describe the nature of some important motives. Describe the nature of emotional expression. Students will get to know about managing emotions. 		
January	Revision			
February	Revision			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Chapter-1 What is Psychology? Chapter-2 Methods of Enquiry.	Chapter-1 What is Psychology? Chapter-2 Methods of Enquiry Chapter-3 Human Development Chapter-4 Sensory Attentional and Perceptual Processes	Chapter-5 Learning Chapter-6 Memory	Chapter-1 What is Psychology? Chapter-2 Methods of Enquiry Chapter-3 Human Development Chapter-4 Sensory Attentional and Perceptual Processes Chapter-5 Learning Chapter-6 Memory Chapter- 7 Thinking	Complete Syllabus

**SUBJECT – COMMERCIAL ART**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Fundamental of Art- Element of Art, Principles of Art.	Students will be able to understand different elements and principles of art.	How to use different drawing tools and materials to create three-dimensional art work	
May	Pre Historic Rock Paintings. Indus valley Civilization. Introduction, period and location. Study of sculptures and terracotta's.	To familiarize students with Pre Historic Rock Painting and Indus Valley Civilization's various modes of art expressions and styles.	To draw a still life composition, set an eye level with one vanishing point.	Make still life composition with pencil shading.
July	Buddhist, Jain and Hindus art.	Students will be acquainted with wide range of artistic impressions techniques and paintings.	Solving design problems that come up while creating and communicating through images.	
August	Ajanta Caves location- period, number of caves, subject matter and techniques and study of paintings and sculptures.	Students will be acquainted with wide range of artistic impressions techniques and paintings and sculptures of Ajanta Caves.	Stimulating creative thoughts, curiosity, open-mindedness, freedom, perseverance and flexibility.	
September	General Introduction of and study of sculptures during Mauryan, Kushan & Gupta Period.	Students will get to know about the various forms of artistic styles of sculpture of Mauryan, Kushan & Gupta period.	Encouraging to make thoughtful responses that include describing, analysing, interpreting, and judging.	
October	Indian Temple Sculptures and artistic aspects of Indian Temple Sculptures.	This would enable and enrich in students artistic sense and sensibility towards Indian Temple Sculptures.	Understanding various careers in art and related areas.	
November	Bronze Sculptures from Chola period Introduction of Indian Bronze, methods of casting and study of Chola Sculptures.	Here students will observe brief glimpses of development of Indian Bronze Art and methods of Casting of Bronze.	To developing advertising and promotional ideas, essential to survive in a thriving and sustainable market.	Make a poster of any edible product.



December	Indo Islamic Architecture Features 1. Qutub Minar 2. Gol Gumbad of Bijapur	Here students will get to understand the origin and development of Indo Islamic Architecture.		
January	Revision			
February	Revision			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Fundamental of art, Pre-historic Rock painting, Indus valley civilization and its artistic aspect.	Buddhist, Jain and Hindu Art, Ajanta Caves Location and Technique and painting and sculptures	Indian temple Architecture and sculptures Indian Bronze Natraj.	Complete Syllabus	Complete Syllabus

**SUBJECT – HOME SCIENCE**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	CH-1 Introduction to Home Science Ch-2 Understanding the Self	-Understand different areas of home science and its scope -discuss the importance of knowing oneself and the significance of developing a positive sense of self. -list the factors that influence the development of selfhood and identity.	Planning of therapeutic meals	
May	Ch-3 Food, Nutrition, Health and Fitness Ch-4 Management of Resources	-define the terms — food, nutrition, nutrients, health, fitness and the role of food and nutrition in maintaining health. -understand the basis for defining the Recommended Dietary Allowances (RDAs) and the difference between Dietary Requirement and RDA. -discuss the concept of a resource. -identify various resources.	Prepare a PPT on different types of hazards	
July	Ch-5 Fabrics Around Us Ch-6 Media and Communication Ch-7 A. Nutrition, Health and Hygiene	-discuss the diversity in fabrics. -name and classify the fabrics commonly seen around. -define the concept of communication. -discuss the significance of communication in everyday life -discuss the importance of health and its dimensions. -understand the interrelationship of nutrition and health.		Hand-made handloom with yarns
August	Ch-7 B. Resource Availability and Management Ch- 8 Survival, Growth and Development	-describe time and space as important resources. - analyse the need for managing time and space. -explain the concepts of survival, growth and development. -analyse the relationship between growth and health. -make suggestions for planning balanced meals for children	Flip book on principles/ elements of design	
September	Ch-9 Nutrition, Health and Wellbeing	-describe the nutritional needs of children at different stages of development.	Flow chart on different functions of housekeeping department	
October	Ch-10 Our Apparel	-discuss the clothing functions and the factors influencing selection of clothes.	Prepare own food label of any product	



	Ch- 11 Health and Wellness	-identify general clothing needs of the children. -discuss the importance of health and fitness. -explain the health concerns and challenges of adults.		
November	Ch- 12 Financial Planning and Management	-understand the meaning and concept of financial management. -know the different types of income.		
December	Ch- 13 Care and Maintenance of Fabrics	-understand the aspects of care and maintenance of different fabrics. -know the procedure of removing different stains.		
January	Revision			
February	Annual Examination			

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Ch- 1, 2	Ch- 1, 2, 3, 4, 5, 6, 7	Ch- 8, 9	Ch- 1, 3, 4, 5, 7, 8, 9, 10	Complete Syllabus

**SUBJECT – HINDUSTANI MUSIC VOCAL**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Basics of raag & taal Alankar & teen taal	Explain the basic terms of Indian classical music.	Sargam practice in different Laya in practical class.	
May	Raag Vihag General Introduction Aroh Avroh palta & Swar vistar Teen taal on hand	Introduction of raag, & taal.	Sargam Geet practice in raag& Basic Knowledge of taal on hands in practical class.	
July	Raag Vihag swar vistar drut Khayal with Alap - taan Teen taal thah, dugun chargin lay kari on hands. Brief Description - Naad, Shruti, Swar, Saptak, Margee Gaan	Explain raag with notation Taal on hands in different layakari. Knowledge of basic terms of Indian classical music.	Practice of raag & taal in detail.	
August	Raag Vihag -notation with alap taan. Raag Bhimpalasi parichay Teen taal with thah dugun & chargin lay kari and taal notation. Life sketch of Tansen. Dhrupad gayan shelly Tanpura sachitr varnan	Introduction of Bhimpalasi raag and explain raag in detail. To show different laya on hands. To know about the contribution of Indian classical music. Explain the structure of tanpurasician.	Demonstration & practice of raag & taal	
September	Raag Bhimpalasi drut Khayal with Alap –taan. Ek Taal thah & dugun on hands & Taal Notation	Raag Bhimpalasi drut Khayal with Alap –taan. Ek Taal thah & dugun on hands & Taal Notation	Practice of raag & taal in detail.	
October	RaagBhimpalasi Notation with Alaptaan EkTaalthah, dugun, chargin on hands &taallipi. Brief Description of that, laya, raag, raagjati,khayal ,Thaat, life sketch V.N Bhathkhande,	Raag Bhimpalasi Notation with Alap taan Ek Taal thah, dugun, chargin on hands &taallipi. Brief Description of that, laya, raag, raagjati,khayal ,Thaat, life sketch V.N Bhathkhande,	Practice of raag & taal.	
November	Raag Bhairvi Parichay & Drut khayal, taal char taal thah & taallipi. Brief Description - taal, tarana, sangeet Natyashastra, Life sketch V.N Paluskar,	Description of raag & taal through drut khyal and taal notation. Know about the life history & contribution of musician.	Practice of raag & taal in detail.	



December	Raag Bhairvi Notation, char taalthah, dugun ,chargin with taallipi Raag pehchaan & Bhairvi Alap - Taan	To know about the raag & taal in detail.	Practice of raag & taal in detail.	
January	Vilambit khayal /dhrupad bandish with Notation. Revision of previous ragas & taal	Explain dhrupad singing style with bandish.	Practice of raag & taal in detail.	Music practical file.
February	Vilambit khayal/dhrupad with alap /lay karee.	Discuss & explain raag drutkhyal , dhrupad & taal.	Practice of raag & taal in detail.	

Exam Syllabus

Unit Test I	Half Yearly	Unit Test II	Qualifying	Annual
Naad, Shruti, swar, Saptak, Margee gaan, Dhrupad, Tansen, Teen taal thah, dugun chargin parichay & taal lipi, Ektaal parichay thah laya. Raag vihag parichay, pehchaan, drut khayal, Raag Bhimpalasi Parichay.	Raag Vihag drut Khayal with Alap & taan drut khayal with alap taan teen taal thah, dugun chargin laykari on hands. Brief Description - Naad, Shruti, Swar, margee gaan, Saptak, raag pehchaan Raag Vihag-notation with alap taan, raag Bhimpalasi Parichay ektaal Parichay, taal lipi life sketch of Tansen Raag & Taal parichay Dhrupad. Raag Bhimpalasi drut Khayal with Alap -taan	Raag Bhimpalasi Notation With Alap taan EkTaal thah, dugun, chargin on hands & taal lipi . Brief Description thaata, laya, raag, raag jati, khayal. Life sketch - V.N Bhathkhende, V. N Palusker, tanpure ka sachitr varnan, Raag Bhairvi Parichay & Drut khayal, taal char taal thah & taal lipi, Brief Description - taal, tarana, sangeet Natyashastra, Raag Bhairvi Notation, char taal thah, dugun chargin with taal lipi, raag pehchaan & Bhairvee Alap - Taan	Raag Bhimpalasi Notation With Alap taan, Brief Description thaata, laya, raag, raag jati, khayal. life sketch- V.N Bhathkhende, V. N Palusker, tanpure ka sachitr varnan, Raag Bhairvi Parichay & Drut khayal, Raag Bhairvi notation, Bhairvee Alap – Taan char taal thah, dugun chargin with taal lipi, Brief Description - taal, tarana, sangeet Natyashastra, raag pehchaan & Vilambit khayal /dhrupad bandish with Notation.	Raag Bhimpalasi Notation With Alap taan, Brief Description thaata, laya, raag, raag jati, khayal. life sketch- V.N Bhathkhende, V. N Palusker, tanpure ka sachitr varnan, Raag Bhairvi Parichay & Drut khayal, Raag Bhairvi notation, Bhairvee Alap – Taan char taal thah, dugun chargin with taal lipi, Brief Description - taal, tarana, sangeet Natyashastra, raag pehchaan & Vilambit khayal /dhrupad bandish with Notation.



SUBJECT – SUPW

Month	Topic
April	Drawing on stone
May	Poster (AI and Human)
July	Book marker
August	Old paper or newspaper craft
September	Folder
October	Stitching and tailoring
November	Shagun envelope
December	Greeting card for teacher's
January	Paper quilling
February	Best out of waste