



SUBJECT – ENGLISH CORE

| Month | Section | Content | Objectives/Aims |
|------------------------|------------|--|--|
| April & May | | Bridge course | To prepare students for advanced studies |
| July | Reading | Passages for Note Making & Summary Writing | To develop the skill of making notes and summarizing |
| | Writing | Classified Ads | To convey needs and requirements in concise and precise way |
| | | Speech & Debate | To present ideas on a given issue in a convincing way. |
| | Grammar | Error Correction | To develop the ability to write flawless language |
| | Literature | L-The Portrait of a Lady | To point out relevance of strong relationship with elders |
| | | S - The Summer of a Beautiful White Horse | To know that essential goodness in a human being remains intact |
| | | P- A Photograph | To understand the transient nature of human life. |
| | | P- The Tale of Melon City | To point out that misuse of power and lack of wisdom result in catastrophic situation. |
| August | Reading | Passages for Note Making | To develop the skill of making notes and summarizing |
| | Writing | Classified ads | To convey needs and requirements in concise and precise way |
| | | Posters | To present topics of educational and social relevance aesthetically. |
| | Grammar | Jumbled Words | To develop confidence and proficiency in the use of language skills |
| | Literature | L- We're Not Afraid to Die..... | To appreciate the importance of courage and determination in adverse circumstances. |
| | | P - The Laburnum Top | To emphasis the phenomena of transfer of energy present in nature |
| | | P - Voice of the Rain | To appreciate the bounties of nature in the form of rain. |
| | | S - The Address | To explain the impact of war. |
| September | Reading | Passages for Comprehension & Note Making | To build confidence regarding concept clarity along with vocabulary enhancement |
| | | | To develop the skill of making notes and summarizing |
| | Writing | Classified Advertisements | To convey needs and requirements in concise and precise way |
| | Grammar | Editing Tasks | To develop the ability to identify the mistakes and correct them |
| | Literature | L - Discovering Tut- The Saga Continues | To point out the contribution of technology in studying past. |
| October | Reading | Passages for Note Making (practice) | To develop the skill of making notes and summarizing |
| | Writing | Speech & Debate | To present ideas on a given issue in a convincing way. |
| | Grammar | Error Correction | to use different grammatical structures in appropriate contexts. |
| | Literature | P - Childhood | To know the constraints of adult life. |
| | | S-Mother's Day | to focus on the dignity of mother. |



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| November | Reading | Passages for Comprehension (practice) | To build confidence regarding concept clarity along with vocabulary enhancement |
| | Writing | Speech & Debate | To present ideas on a given issue in a convincing way. |
| | | Posters | To present topics of educational and social relevance aesthetically. |
| | Grammar | Omission | To develop confidence and proficiency in the use of language skills |
| | Literature | P-Father to Son | To point out changing relationship between parents and children. |
| L - The Adventure | | To acquaint with the genre of time travel | |
| December | Reading | Revision & Practice | To develop confidence and proficiency in the use of language skills |
| | Writing | Revision & Practice | To prepare students for writing in an impressive style |
| | Grammar | Revision & Practice | To develop confidence and proficiency in the use of language skills |
| | Literature | L - The Silk Road | To develop a liking for reading travelogues |
| | | S - Birth | To know that persistent efforts bring result. |
| January & February | | Revision | To develop confidence and proficiency in the use of language skills |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|--|--|---|---|---|
| READING SECTION: Note Making & Summary WRITING SECTION: Classified Ads, Speech GRAMMAR SECTION: Error Correction LITERATURE SECTION: L-1 The Portrait of a Lady, S-1, The Summer of a Beautiful White Horse P 1- A Photograph & P- The Tale of Melon City | READING SECTION: Comprehension Passage and Note Making & Summary WRITING SECTION: Writing WRITING SECTION: Classified Ads, Posters, Speech, Debate GRAMMAR SECTION: Editing, Gap Filling & Jumbled Words LITERATURE SECTION L - The Portrait of a Lady, L- We're Not Afraid to Die..., L- Discovering Tut, S- The Summer of a Beautiful White Horse, S - The Address | READING SECTION: Comprehension Passage WRITING SECTION: Posters, Debate GRAMMAR SECTION: Editing & Jumbled Words LITERATURE SECTION: L- The Adventure, P- Childhood S - Mother's Day | READING SECTION: Comprehension Passage and Note Making & Summary WRITING SECTION: Classified Ads, Posters, Speech, Debate GRAMMAR SECTION: Editing, Gap Filling & Jumbled Words LITERATURE SECTION: L - The Portrait of a Lady, L- We're Not Afraid to Die..., L- Discovering Tut, L- The Adventure, L- Silk Road, S- The Summer of a Beautiful White Horse, S - The | READING SECTION: Comprehension Passage and Note Making & Summary WRITING SECTION: Classified Ads, Posters, Speech, Debate GRAMMAR SECTION: Editing, Gap Filling & Jumbled Words LITERATURE SECTION: L - The Portrait of a Lady, L- We're Not Afraid to Die..., L- Discovering Tut, L- The Adventure, L- Silk Road, S-The Summer of a Beautiful White Horse, S - The Address, S- Mother's Day, S- Birth P-A |



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| | P-A Photograph, P - The Laburnum Top, P- The Voice of the Rain, P- Tale of Melon City | | Address, S- Mother's Day, S- Birth P-A Photograph, P -The Laburnum Top, P- The Voice of the Rain, P- Childhood, P- Father to Son, P- Tale of Melon City | Photograph, P -The Laburnum Top, P- The Voice of the Rain, P- Childhood, P- Father to Son, P- Tale of Melon City |
| | 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 | |
| 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 Process | <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 | |



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| | Practical Work In Geography-I | CH-2 Map Scale | <ul style="list-style-type: none"> • Maps - types; scales-types • Construction of simple linear scale, measuring distance • Finding direction and use of symbols | Map Scale making |
| 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 | MUN |
| | 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 |



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| December | Fundamentals Of Physical Geography | CH- 12 Water | <ul style="list-style-type: none"> Relief features of the Ocean Ocean temperature- Horizontal and vertical temperature of Ocean Salinity | |
| | 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 | |
| | 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-15 Biodiversity and Conservation | <ul style="list-style-type: none"> Biodiversity and conservation | |
| | 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 | |
| | 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 |
| | Practical Work in Geography-I | CH-7 Weather Instruments, Maps and Charts | <ul style="list-style-type: none"> Weather Observation Space Observation Weather map reading and analysis | Analyzing weather maps |

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 Ch. 3. Interior of the Earth Book 2 Ch.1. India-Location | 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 1 Ch. 8. Solar radiation heat balance and temperature Ch. 9. Atmospheric Circulation and Weather System Ch. 10. Water in the atmosphere 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. 6. Geomorphic processes | 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. 6. Geomorphic processes |



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| Ch. 2. Structure And Physiography | Book 2 Ch.1. India- Location Ch. 2. Structure And Physiography Ch. 3. Drainage System | Ch. 5. Natural Vegetation | Ch. 8. Composition and structure of atmosphere Ch. 11. World Climate and Climate Change Ch. 12. Water (oceans) Ch. 13. Movements of ocean water Ch. 15. Biodiversity & conservation Book 2 Ch. 3. Drainage Ch. 4. Climate Ch. 5. Natural vegetation Ch. 6 Natural Hazards | Ch. 8. Composition and structure of atmosphere Ch. 9. Solar radiation heat balance and temperature Ch. 11. Water in the atmosphere Ch. 13. Water (oceans) Ch. 14. Movements of ocean water Ch. 15. Biodiversity & conservation Book 2 Ch. 3. Drainage Ch. 4. Climate Ch. 5. Natural vegetation Ch. 6 Natural Hazards |
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SUBJECT – POLITICAL SCIENCE

| Month | Name of the Chapter | Learning Objective/Outcome | Enrichment Activities |
|--|--|---|-----------------------|
| PART A- INDIAN CONSTITUTION AT WORK & PART B-POLITICAL THEORY | | | |
| April | Ch 1- Constitution: Why and How? Ch 1-Political Theory: An Introduction | Familiarize students with the: · 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: · 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: · 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: · 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: · 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: · Concept of Equality. · Different dimensions of equality—political, economic, and social · Various ideologies of Socialism, Marxism, Liberalism and Feminism. · Different methods to promote equality. | MUN |
| August | Ch 4. Executive Ch 4.-Social Justice | Familiarize students with the: · 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: · 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 |



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| September | Ch 5. Legislature Ch 5.- Rights Revision | Familiarize the students with the: · 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: · Definition and significance of rights. · Rights as guaranteed to all the citizens Importance of Human Rights · Different kinds of rights Political, Civil, Socio Economic, Cultural and Educational. | |
| October | Ch 6- Judiciary Ch 6- Citizenship | Familiarize the students with the: · 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: · 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 | Familiarize the students with the: · 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. Familiarize students with the: · 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 | Familiarize the students with the: · 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. Familiarize students with the: · 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 | Familiarize students with the: · 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. Familiarize students with the: · Meaning of Secularism · Inter-religious and Intra Religious Domination. · | |



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| | | Characteristics of a Secular State. Western and Indian Model of Secularism. · Limitations of Indian Secularism | |
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Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|---|---|----------------------------------|--|-------------------|
| Book 1: CH - 1 & 2 Book 2: CH - 1 | Book 1: CH - 1, 2, 3, 4 Book 2: CH - 1, 2, 3, 4, 5 | Book 1: CH - 5 Book 2: CH - 6 | Book 1: CH - 1, 2, 3, 4, 5, 6, 7 Book 2: CH - 1, 2, 3, 4, 5, 6, 7 | Complete Syllabus |



SUBJECT – ECONOMICS

Introductory Microeconomics & Statistics for Economics

| Month | Chapter | Learning Objectives | Enrichment Activity | Project |
|-----------|--|--|--|---------|
| April | Introduction of Statistics Collection of data | To familiarize the students with the meaning, scope, and importance of statistics in economics. Learners are expected to acquire skill in collection of data systematically: Methods of data collection. | Students will be asked to make a questionnaire and take a survey to collect information. | |
| May | Introduction of Microeconomics Organization of data | 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. | 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. | Project |
| July | Consumer's Equilibrium Theory of demand Presentation of data | Students will understand the concept of utility, total utility, marginal utility, and the law of diminishing marginal utility. Students would be able to understand the concept of consumer equilibrium- Utility analysis and Indifference curve analysis. 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 understand the meaning of Histogram, bar diagram, pie diagram, frequency curve etc. | Discuss in class the various consumption goods in which law of DMU can be applied. Conduct a classroom presentation on those factors that affect demand. Drawing of various diagrams. | |
| August | Elasticity of demand Measures of central tendency | Students will understand Price elasticity of demand, degrees, measurement, and factors affecting elasticity of demand. Students will be able to understand the meaning of mean & median | Collect and compare the marks of students and calculate averages out of it. | |
| September | Production Function & cost | Students will understand the concept of production and law of variable proportions. Students will understand the cost and meaning and relationship. Continued Revision Half yearly- examination | Conduct a class presentation of budding entrepreneurs. | |
| October | Concept of Revenue Producer's Equilibrium | Students will understand types of revenue and their relationship. Students will understand the producer's equilibrium: meaning and its conditions in terms of MC&MR. | Collect some newspaper cutting of India's top entrepreneurs and make a collage. | |



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| | Measures of central tendency | Students will learn various methods of finding mode. | | |
| 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. | The automobile sector is facing a crisis, with a sharp decline in sales. Analyze the impact of this statement on the supply of cars with a PPT. | |
| 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 of Annual Examination | | | |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|--|---|--|---|-------------------|
| Micro Eco: Ch. 1 Statistics: Ch. 1 to 3 | Micro Eco: Ch. 1 to 5 Statistics: Ch. 1 to 8 (Excluding mode) | Micro Eco: Ch. 6 to 7 Statistics: Ch. 8 (mode) & 10 (Karl Pearson's method) | Micro Eco: Ch. 1 to 10 Statistics: Ch. 1 to 10 | Complete Syllabus |



SUBJECT – MATHEMATICS

| Month | Ch. No. | Chapters Name | Learning Objectives/Outcomes | Activities |
|-----------|---------------------------------------|---------------------------------------|---|---|
| April | 3 | Trigonometric Function | To know trigonometric functions using unit circle, identities, formulas, and their application. | |
| | 9 | Straight Lines | To use algebra advantageously in study of straight line, their slopes and their properties. | |
| May | 1 | Sets | To know about sets, sub- sets, and their representation, Venn diagrams, operations on sets, practical problems on Union and Intersection. | To verify operations on sets using venn diagrams. |
| July | 2 | Relations And Functions | To know ordered pair, Cartesian product, relations, functions, domain, co-domain, range, and graphs of different functions. | To find the no. of relations from set A to B. |
| | 4 | Complex Numbers & Quadratic Equations | To make clear about complex numbers and real numbers, operations on complex numbers and multiplicative Inverse, conjugate, modulus, and their properties. | To differentiate between function and relation. |
| August | 5 | Linear Inequalities | 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. | To find out the solution of linear inequations graphically |
| | 6 | Permutations & Combinations | To understand the concept of fundamental principle of counting, factorial notation, permutations and combination and their properties with daily life examples | |
| September | 7 | Binomial Theorem | Binomial expansion for a given positive integral power | To construct a pascal triangle and to write binomial expansion for a given positive integer power |
| | Revision For Half Yearly Exams | | | |
| October | 8 | Sequences And Series | To Know about the sequence, Arithmetic and geometric progressions. | |
| November | 10 | Conic Section | To learn about the intersection of a plane with a double napped cone right circular cone results in different types of the curve. | To construct an ellipse |
| | 11 | Three Dimensional Geo. | To extend the knowledge of two-dimensional geometry to three-dimensional geometry. | |
| December | 12 | Limits & Derivatives | To find out the limits and derivatives of different functions | |
| January | 13 | Statistics | To learn about the important measures of dispersion and their methods of calculation for ungrouped and grouped data. | |



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| | 14 | Probability | To know about the basic terms, for random experiments with different cases to interpret the probability. | To find the sample space of (i) dices (ii) coins. |
| February | Revision | | | |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|-------------|----------------------------|--------------|----------------------------------|-------------------|
| Ch: 1, 3, 9 | Ch: 1, 2, 3, 4, 5, 6, 7, 9 | Ch: 8, 10 | Ch: 3, 4, 5, 6, 7, 8, 10, 11, 12 | Complete 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 | | |
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| 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. |
| <p>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.</p> | | | |

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 | <ol style="list-style-type: none"> 1. To find average and grade for given marks. 2. To find the 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() | <ol style="list-style-type: none"> 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 |



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| | | | | 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 for students to store names and marks obtained in 5 subjects. 17. To print the highest and lowest values in the dictionary. |
| 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, |



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| | | | | 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 | Chapter Name | Sub-Unit | Learning Outcomes |
|-----------|--------------------------------------|---|--|---|
| July | PART-A: Employability Skills | Unit 1: Communication Skills-III | | Students will be able to Understand meaning and importance of stress management & Apply stress management techniques. |
| | | Unit 2: Self-Management Skills-III | | Students will be able to demonstrate impressive appearance and grooming, teamwork skills and apply time management strategies and techniques. |
| | PART-B – Subject Specific Skills | Unit 1: Introduction To AI | <ul style="list-style-type: none"> • What is AI? • What is Machine Learning • What is data? • Terminology and Related Concepts • What machine learning can and cannot do. • Jobs in AI | Students will be able to: <ul style="list-style-type: none"> • Understand what is AI? • Difference between conventional programming and machine learning. • Structured and Unstructured data. • What are the AI products/ applications in society and how are they different from non-AI products/ applications? • Different types of machine learning approach. • Understand what the jobs that are growing with AI are. |
| August | PART-A: Employability Skills | Unit 3: ICT Skills-III | | Students will be able to create a document, edit the data, change the style of data, adding bullets, word wrap, autocorrect option and printing any document in Word processor. |
| | PART-B: Subject Specific Skills | Unit 2: AI Applications and Methodologies | | Students will be able to understand: <ul style="list-style-type: none"> • Key Fields of Application in AI. • Characteristics and types of AI. • Cognitive Computing (Perception, Learning, Reasoning). • AI and Society. • The Future with AI, and AI in Action. • Non-technical explanation of deep learning. |
| | | Unit 3: Math for AI | | Students will be able to: <ul style="list-style-type: none"> • Appreciate the role of mathematics in AI and ML. • Linear Algebra, Statistics, Basics of Graphs and Set theory • Visual representation of data, bar graph, histogram, frequency bins, scatter plots, etc. • With co-ordinates and graphs introduction to dimensionality of data. |
| | | Unit 4: AI Values (Ethical decision making) | | Students will be able to understand: <ul style="list-style-type: none"> • AI: Issues, Concerns and Ethical Considerations • Issues and Concerns around AI • AI and Ethical Concerns • AI and Bias • AI: Ethics, Bias, and Trust • Employment and AI |
| September | Revision and Half Yearly Examination | | | |
| October | PART-A: Employability Skills | Unit 4: Entrepreneurial Skills-III | | Students will be able to establish a foundation of confidence in the skills necessary to cause others to act. |



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| | PART-B: Subject Specific Skills | Unit 5: Introduction to story telling | | Students will be able to understand: •Storytelling: communication across the ages. • The Need for Storytelling • Story telling with data • Storytelling for audience • How to Keep the audience engaged |
| | | Unit 6: Critical and Creative thinking | | Students will be able to use Design thinking framework, Right questioning (5W and 1H), Identifying the problem to solve and ideate. |
| November | PART-B: Subject Specific Skills | Unit 7: Data Analysis | | Students will be able to represent a simple problem in terms of numbers. Gain Knowledge on – Types of structured data, statistical principals – frequency tables, mean, median, mode, range, etc. graphical Application will be used for Representing data in terms of graphs, statistical models. |
| | | Unit 8: Regression | | Making students able to relate data with regression and correlation. Everyday applications of these mathematical concepts. – Correlations, Regression, and other related terms. |
| December | PART-A: Employabi lity Skills | Unit 5: Green Skills-III | | Understand the basic sustainability concepts of homeostasis, carrying-capacity, and cradle-to- grave recycling, evolutionary processes. |
| | PART-B: Subject Specific Skills | Unit 9: Classification & Clustering | | Students will be able to understand confusion matrix- True positives, true negatives, false positives and false negatives cases. Understanding Impact of the application of incorrect algorithms on society. |
| January | PART-B: Subject Specific Skills | Unit 10: AI Values (Bias awareness) | | Student will be able to understand: • AI working for good. • Principles for ethical AI. • Types of bias (personal /cultural /societal). • How bias influences AI based decisions. • How data driven decisions can be debiased. • Hands on exercise to Detect the Bias. |
| February | Revision and Annual Examination | | | |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|---|--|---|---|--|
| Part A: Unit 1: Communication Skills-III Part B: Unit 1: Introduction to Artificial Intelligence (AI) | Part A: Unit 1: Communication Skills-III Part A: Unit 2: Self- Management Skills- III Part A: Unit 3: ICT Skills-III Part B: Unit 1: Introduction to Artificial Intelligence (AI) | Part A: Unit 4: Entrepreneurial Skills-III Part B: Unit 5: Introduction to storytelling. | Part A: Unit 1: Communication Skills-III Part A: Unit 2: Self- Management Skills- III Part A: Unit 3: ICT Skills-III, Part A: Unit 4: Entrepreneurial Skills-III, Part A: Unit 5: Green Skills- III, Part B: Unit 1: Introduction to | Part A: Unit 1: Communication Skills-III Part A: Unit 2: Self-Management Skills-III Part A: Unit 3: ICT Skills-III Part A: Unit 4: Entrepreneurial Skills-III Part A: Unit 5: Green Skills-III |



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| | Part B: Unit 2: AI Applications & Methodologies Part B: Unit 4: AI Values (Ethical Decision Making) | | Artificial Intelligence (AI), Part B: Unit 2: AI Applications & Methodologies, Part B: Unit 4: AI Values (Ethical Decision Making), Part B: Unit 5: Introduction to Storytelling, Unit 7: Data Analysis, Unit 8: Regression, Unit 9: Classification and clustering | Part B: Unit 1: Introduction To AI Part B: Unit 2: AI Applications & Methodologies Part B: Unit 4: AI Values (Ethical Decision Making) Part B: Unit 5: Introduction To Storytelling Part B: Unit 8: Regression |
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SUBJECT – PSYCHOLOGY

| Month | Name of Chapter | Objective/ Aim | Enrichment Activity | Project |
|------------------|--|--|---|--|
| April | Ch-1 What is Psychology? | After studying this chapter students would be able to: i. Develop the understanding of role mind and behavior. ii. Explain the different fields of Psychology, its discipline, and professions. iii. Develop the understanding of value of psychology in daily life to understand themselves and others better. | | |
| May | Ch-2 Methods of enquiry | After studying this chapter students would be able to: i. Explain the goal and nature of psychological enquiry. ii. Explain the important methods of psychological enquiry. iii. Develop the understanding about the limitations of psychological enquiry and ethical considerations. | | Students will prepare project by using different methods of psychological enquiry. |
| July | Ch-4 | After studying this chapter students would be able to: i. Explain the meaning and process of development. ii. Explain and identify the stages of development and describe the major characteristics of infancy, childhood, Adolescence, adulthood, and old age | | |
| August | Ch-5 Sensory Attentional and Perceptual Processes | After studying this chapter students would be able to: i. Develop the understanding of the nature of sensory processes. ii. Explain the types and process of attention. iii. Develop the understanding of the role of socio-cultural factors in perception. | | |
| September | Ch-6 Learning | After studying this chapter students would be able to: i. Develop an understanding of the nature and features of learning. ii. Explain the types of learning. iii. Acquainted with the leaning principles. | | |
| October | Ch-7 Memory | After studying this chapter students would be able to: i. Develop the understanding of the nature of memory. ii. Develop an understanding of nature and causes of forgetting. iii. Develop the skills for improving memory. | Experiment on methods of verbal Learning. | |



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| November | Ch-8 Thinking | After studying this chapter students would be able to: <ul style="list-style-type: none"> - Understand the nature of thinking and Reasoning. - Understand the nature and process of creative thinking and learn the ways of enhancing it. - Understand the relationship between language and thought. | Experiment based on Memory processes. | |
| December | Ch-9 Motivation and Emotion | After studying this chapter students would be able to: <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. | | |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|-------------|-------------|--------------|------------|-------------------|
| Ch. 1, 2 | Ch. 4, 5 | Ch. 1 to 6 | Ch. 1 to 8 | Complete Syllabus |



SUBJECT – COMMERCIAL ART

| Month | Theory | Practical | Learning Objectives |
|------------------|--|-------------------------|---|
| May | Unit 1: Pre-historic Rock Paintings and Art of Indus Valley (2500 B.C. to 1500 B.C.) 1 A. Pre-Historic Rock-Paintings Introduction (1) Period and Location (2) Study of following Pre-historic Paintings | Fundamentals of art, | The objective of including the history of prehistoric art for the students is to familiarize them with the various styles and modes of art expression. This would enrich their vision and enable them to appreciate and aesthetic sensibility to enjoy the beauty of nature and life. |
| July | Unit 1: B. Introduction (i) Period and Location. (2) Study of Sculptures and Terracottas: Unit 2: Buddhist, Jain and Hindu Art (3rd century B.C. to 8th century A.D.) (1) General Introduction to Art during Mauryan, Shunga, Kushana Gandhra and Mathura style & Gupta period: (2) Study of Sculptures: | Still life composition | The objective of including the history of Indus Valley and Religion's art for the students is to familiarize them with the various styles and modes of art expression. This would enrich their vision and enable them to appreciate and aesthetic sensibility to enjoy the beauty of nature and life. |
| August | Recapitulation of Unit 1 & Unit-2 (2) Study of Sculptures: | Calligraphy and texture | |
| September | (3) Introduction to Ajanta Location, period, No. of caves, Chaitya and Vihara, Paintings and Sculptures, subject matter, and technique etc. (4) Study of Painting & Sculpture: | Poster masking | The objective of including the history of Ajanta art for the students is to familiarize them with the various styles and modes of art expression. This would enrich their vision and enable them to appreciate and aesthetic sensibility to enjoy the beauty of nature and life. |
| October | Unit 3: Temples Sculpture, Bronzes and Artistic aspects of Indo-Islamic Architecture 36 Pds. (A) Artistic aspects of Indian Temple sculpture 6th Century A.D. to 13th Century A.D.) (1) Introduction to Temple Sculpture (6th Century A.D. to 13th Century A.D.) (2) Study of Temple-Sculptures. | Indian folk art | The objective of including the history of Indian temples art for the students is to familiarize them with the various style and modes of art expression. This would enrich their vision and enable them to appreciate and aesthetic sensibility to enjoy the beauty of nature and life. |
| November | B) Bronzes: (1) Introduction to Indian Bronzes (2) Method of casting (solid and hollow) (3) Study of south Indian Bronzes: | Master copies | The objective of including the history of Chola art for the students is to familiarize them with the various styles and modes of art expression. This would enrich their vision and enable them to appreciate and |



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| | | | aesthetic sensibility to enjoy the beauty of nature and life. |
| December | (C) Artistic Aspects of the Indo-Islamic Architecture (1) Introduction (2) Study of architectures: | Revision | The objective of including the history of Indo Islamic art for the students is to familiarize them with the various style and modes of art expression. This would enrich their vision and enable them to appreciate and aesthetic sensibility to enjoy the beauty of nature and life. |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|--|---|---|-------------------|-------------------|
| Fundamentals of Art, Pre-Historic Rock Paintings, Indus Valley Civilization and its artistic aspects | Buddhist and Jain and Hindu Art. Ajanta Caves location, technique and painting and sculpture. | Indian Temple Architecture and Sculpture, Indian Bronzes- Nataraj and Devi. | Complete Syllabus | Complete Syllabus |



SUBJECT – HOME SCIENCE

| Month | Name of Chapter | Objective/ Aim | Enrichment Activity | Project |
|------------------|--|---|---|--|
| April | CH-1 Introduction to Home Science Ch-2 Understanding the Self Ch-3 Food, Nutrition, Health and Fitness | -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. -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. | Students will write a detailed report on different domains of development related to themselves | |
| May | Ch-4 Management of Resources Ch-5 Fabrics Around Us | -discuss the concept of a resource. -identify various resources. -discuss the diversity in fabrics. -name and classify the fabrics commonly seen around. | Students will make handloom miniature. | Project work- Different types of fabrics (light, medium and heavy) |
| July | Ch-6 Media and Communication Ch-7 A. Nutrition, Health and Hygiene | -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. | Group activity related to different types of communication | |
| August | Ch-7 B. Resource Availability and Management Ch- 8 Survival, Growth and Development | -describe time and space as important resources. - analyze the need for managing time and space. -explain the concepts of survival, growth, and development. -analyze the relationship between growth and health. -make suggestions for planning balanced meals for children | Time plan | |
| September | Ch-9 Nutrition, Health and Wellbeing | -describe the nutritional needs of children at different stages of development. | Flow chart on Food Guide Pyramid | |



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| October | Ch-10 Our Apparel Ch- 11 Health and Wellness | -discuss the clothing functions and the factors influencing selection of clothes. -identify general clothing needs of the children. -discuss the importance of health and fitness. -explain the health concerns and challenges of adults. | Flip book on selection of clothing | |
| November | Ch- 12 Financial Planning and Management | -understand the meaning and concept of financial management. -know the different types of income. | Budget making | |
| 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. | Different stain removal activity | |
| January | Revision for Annual Exam | | | |
| February | Annual Exam | | | |

Exam Syllabus

| Unit Test I | Half Yearly | Unit Test II | Qualifying | Annual |
|-------------|-------------|--------------|-------------|-------------------|
| Ch. 1, 2, 3 | Ch. 4, 5, 6 | Ch. 1 to 8 | Ch. 1 to 12 | Complete Syllabus |



SUBJECT – HINDUSTANI MUSIC VOCAL

| Month | Name of the Topic | Objective/ Aim | Lab Activity/ 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 drut Khayal with Alap - taan teen taal thah, dugun chargun laykari on hands. Brief Description - Naad, Shruti, Swar, Saptak, MargeeGaan | 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 & chargun laykari and taal notation. Life sketch Tansen. Dhrupad. | Introduction of bhimpalasi raag and explain raag in detail. To show different laya on hands. To know about the contribution of indian classical musician. | Practice of raag & taal in detail. | |
| September | Raag Bhimpalasi drut Khayal with Alap –taan Ek Taal thah & dugun on hands & taal lipi | To give knowledge of raag bhimpalasi. Explain ektaal in different laya and practice to write it. | Practice of raag & taal in detail. | |
| October | Raag Bhimpalasi Notation with Alap taan EkTaal thah, dugun, chargun on hands \$ taal lipi Brief Description of that, laya, raag, raag jati, khayal, Thaata, life sketch V.N Bhathkhende, | To give knowledge raag & taal. To give knowledge of basic terms of Indian music and contribution of Indian musician | Practice of raag & taal in detail. | |
| November | Raag Bhairvi Parichay & Drut khayal, taal char taal thah & taal lipi. Brief Description - taal, tarana, sangeet Natyashastra, Life sketch V.N Palusker, Tanpura sachitr varna | Description of raag & taal through drut khayal and taal notation. Know about the life history & contribution of musicians. Explain the structure of tanpura. | Practice of raag & taal in detail. | |
| December | Raag Bhairvi Notation, char taal thah, dugun chargun with taal lipi, raag pehchaan \$ Bhairvee Alap -Taan | To know about the raag & taal in detail . | Practice of raag & taal in detail. | |



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| 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 /laykaree. Annual Exam | Discuss & explain raag drut khayal , 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. |