

**Delhi Public School Numaligarh**

# **Syllabus Bifurcation**

**Session: 2023-24**

**Class XI: Science**

# Delhi Public School, Numaligarh

Class: XI

Scheme of Work: 2023-24

Sub: English

| S.N | Month      | No. of ID | Hornbill  | Writing                   |
|-----|------------|-----------|---|---------------------------|
| 1.  | May-2023   | 25        | The Portrait of a Lady<br>A Photograph<br>We're Not Afraid to Die... if We Can All be Together<br>Discovering Tut: the Saga Continues | Posters<br>Advertisement  |
| 2.  | June-2023  | 15        | The Laburnum Top<br>The Voice of the Rain   | Note Making<br>Grammar    |
| 3.  | July-2023  | 06        | -   | Note Making               |
| 4.  | Aug-2023   | 24        | Childhood<br>The Adventure  | Debate Writing<br>Grammar |
| 5.  | Sep-2023   | 16        | Revision  | Speech Writing            |
| 6.  | Oct-2023   |           | Silk Road<br>Father to Son  |                           |
| 7.  |            | 23        | Snapshots   |                           |
| 8.  | Nov-2023   | 09        | The Summer of the Beautiful White Horse<br>The Address  |                           |
| 9.  | Dec-2023   | 21        | Mother's Day  |                           |
| 10. | Jan-2024   | 24        | Birth<br>The Tale of Melon City   |                           |
| 11. | Feb-2024   | 19        | Revision  |                           |
| 12. | March-2024 | 10        | EXAM  |                           |

### Portion for Assessments-2023-24

|                         |  |   |                                      |
|-------------------------|--|---|--------------------------------------|
| <b>PT-1</b>             | <b>The Portrait of a Lady<br/>A Photograph<br/>We're Not Afraid to Die... if We Can All be Together<br/>Discovering Tut: the Saga Continues</b>  | <b>Notice<br/>Posters</b>                                       | <b>Comprehension</b>                 |
| <b>Half Yearly Exam</b> | <b>We're Not Afraid to Die... if We Can All be Together<br/>Discovering Tut: the Saga Continues<br/>The Laburnum Top<br/>Landscape of the Soul<br/>The Voice of the Rain<br/>The Ailing Planet: the Green Movement's Role<br/>Childhood<br/>The Adventure<br/>The Browning Version</b> | <b>Notice<br/>Posters<br/>Speech Writing<br/>Report Writing</b> | <b>Comprehension<br/>Note Making</b> |
| <b>PT-2</b>             | <b>Silk Road<br/>Father to Son<br/>The Summer of the Beautiful White Horse<br/>The Address</b>   | <b>Notice<br/>Posters</b>                                       | <b>Comprehension<br/>Note Making</b> |
| <b>Annual Exam</b>      | <b>Full Syllabus</b>   |   |                                      |

### Projects/Subject Enrichment Activities

| Month                | Activity                                | Objective/s  | Details & Evaluation   |
|----------------------|---|--|--|
| Aug-<br>Sept<br>2023 | Assessment of Speaking<br>and Listening | <ul style="list-style-type: none"> <li>• To listen to lectures and talks and to be able to extract relevant and useful information for a specific purpose</li> <li>• To develop the art of formal public speaking</li> </ul> | A Listening Skill test and a Speaking Skill test will be conducted |
| June<br>2023         | Project                                 | <ul style="list-style-type: none"> <li>• To listen to a podcast and write a report or Debate on the chosen topic</li> </ul>  | As per CBSE guidelines   |

| S.N | Month          | No of ID | NCERT Physics Textbook<br>(Part –I & Part –II)  | Practical / Activity  |
|-----|----------------|----------|---|---|
| 1   | May 2023       | 25       | Chapter -2:Units and Measurements<br>Chapter-3:Motion in a straight line  | Lab on Vernier calipers   |
| 2   | June2023       | 15       | Cont. Chapter -3 : Motion in a Straight Line<br>Chapter -4: Motion in a plane   | Lab on Screw gauge  |
| 3   | July 2023      | 6        | Cont. Chapter - 4 : Motion in a Plane   | Lab on Spherometer  |
| 4   | August 2023    | 23       | Chapter - 5 : Laws of Motion.<br>Chapter - 6 :Work ,Energy and Power<br>Chapter - 7 : System of Particles and Rotational Motion | Lab on(i) Parallelogram law of vectors (ii) Beam balance<br>(iii) Simple Pendulum       |
| 5   | September 2023 | 15       | Chapter -8 : Gravitation<br>Chapter- 9 : Mechanical Properties of Solids  | Lab on (i) Searle's app ( To find Y) (iii) Helical Spring<br>( To find Force Constant ) |
| 6   | October 2023   | 20       | Chapter-10 :Mechanical Properties of Fluids<br>Chapter-11 : Thermal Properties of Matter  | To find (i) Terminal velocity (ii) Co efficient of Viscosity.                           |
| 7   | November 2023  | 23       | Cont'd Chapter-11 :Thermal Properties of Matter<br>Chapter-12 :Thermodynamics   | Investigatory Projects  |
| 8   | December 2023  | 9        | Chapter-13 : Kinetic Theory<br>Chapter-14 : Oscillations  | Lab on (i) Sonometer-I (ii)Sonometer- II  |
| 9   | January 2024   | 21       | Cont'd Chapter-14 : Oscillations<br>Chapter-15 : Waves  | Lab on (i) Sonometer –III (ii) Resonance Apparatus .                                    |
| 10  | February 2024  | 24       | Cont'd Chapter-15 : Waves<br>Revision   |   |
| 11  | March 2024     | 19       | Annual Exam   |   |

## Portion for Assessments – 2023-24

|             |   |
|-------------|---|
| PT-1        | Chapters 2 ,3,4 : Units and Measurements ,Motion in a Straight Line, Motion in a plane  |
| Half yearly | Chapters 2,3,4,5,6 : Physical World ,Units and Measurements ,Motion in a Straight Line ,Motion in a Plane ,Laws of Motion, Work ,Energy and Power.                          |
| PT-2        | Chapters 7,8,9,10,11: System of particles and rotational motion,Gravitation ,Mechanical Properties of Solids ,Mechanical Properties of Fluids ,Thermal Properties of Matter |
| Annual Exam | Full Syllabus   |

## Syllabus break up /Scheme of Work : 2023-24

**Class : XI**

**Subject: Chemistry**

| S.N | Month          | No of ID | Chapters  | Practicals/Activities  |
|-----|----------------|----------|---|--|
| 1   | May 2023       | 25       | Chapter-1: Some basic concepts of chemistry<br>Chapter2: Structure of atoms.  | <ul style="list-style-type: none"> <li>• Basic laboratory techniques-cutting and rounding of edges of glass tube,making jets etc</li> <li>• Inorganic salt analysis</li> </ul> |
| 2   | June2023       | 15       | Chapter2: Structure of atoms(cont'd)  | <ul style="list-style-type: none"> <li>• Inorganic salt analysis</li> </ul>  |
| 3   | July 2023      | 6        | Chapter3: Classification of elements and periodicity in properties.   | <ul style="list-style-type: none"> <li>• Inorganic salt analysis</li> </ul>  |
| 4   | August 2023    | 23       | Chapter3: Classification of elements and periodicity in properties(cont'd).<br>Chapter4: Chemical bonding and molecular structure | <ul style="list-style-type: none"> <li>• Inorganic salt analysis.</li> </ul>   |
| 5   | September 2023 | 15       | Chapter4: Chemical bonding and molecular structure(cont'd)<br>Chapter8: Redox reactions.  | Acid-base Titration-to find the strength of NaOH solution by titrating against a standard solution of oxalic acid .  |
| 6   | October 2023   | 20       | Chapter12: Organic chemistry-some basic principles and techniques.<br>Chapter13:Hydrocarbons                                      | Acid-base titration- to find the strength of Hcl by titrating against a standard solution of sodium carbonate.   |
| 7   | November 2023  | 23       | Chapter13:Hydrocarbons-(cont'd)<br>Chapter6:-Thermodynamics   | Detection of extra element in the organic sample.  |
| 8   | December 2023  | 9        | Chapter6:-Thermodynamics(cont'd)  | Detection of extra element in the organic sample.  |
| 9   | January 2024   | 21       | Chapter7: Equilibrium.  | Detection of extra element in the organic sample.  |
| 10  | February 2024  | 24       | Chapter7: Equilibrium( cont'd)+ revision work   | Preparation of inorganic crystals  |
| 11  | March 2024     | 19       | Annual Examination  | Annual Practical Examination   |
| 12  | April 2024     | 12       | Annual examination  |  |

Portion for Assessments : 2023-24

| Examinations | Chapters for Assessments   |
|--------------|--|
| PT-1         | <ol style="list-style-type: none"> <li>1. Chapter-1: Some basic concepts of chemistry</li> <li>2. Chapter2: Structure of atoms.</li> </ol>   |
| Half yearly  | <ol style="list-style-type: none"> <li>1. Chapter-1: Some basic concepts of chemistry</li> <li>2. Chapter2: Structure of atoms.</li> <li>3. Chapter3: Classification of elements and periodicity in properties.</li> <li>4. Chapter4: Chemical bonding and molecular structure.</li> <li>5. Chapter12:Organic chemistry-some basic principles and techniques.</li> <li>6. Chapter8: Redox reactions</li> </ol> |
| PT-2         | <ol style="list-style-type: none"> <li>1. Chapter13: Hydrocarbons.</li> <li>2. Chapter6:- Chemical Thermodynamics</li> <li>3. Chapter7: Equilibrium.</li> </ol>  |
| Annual       | NCERT Syllabus/Full Syllabus   |

## Class: XI (Science)

## Scheme of Work: 2023-24

## Subject: Biology (044)

| S.N | Month          | No of ID | Chapters   | Practical /activities  |
|-----|----------------|----------|--|--|
| 1   | April 2023     | 10       |  |  |
| 2   | May 2023       | 25       | Chapter-1: The Living World<br>Chapter-2: Biological Classification<br>Chapter-3: Plant Kingdom  |  |
| 3   | June2023       | 15       | Chapter-4: Animal Kingdom<br>Chapter-5: Morphology of flowering plants   | *Study of flower and Spotting.   |
| 4   | July 2023      | 6        | Chapter-5 <b>Cont'd</b> : Morphology of flowering plants<br>Chapter-6: Anatomy of flowering plants   |  |
| 5   | August 2023    | 23       | Chapter-6 <b>Cont'd</b> : Anatomy of flowering plants<br>Chapter-7: Structural Organisation in Animals<br>Chapter-8: Cell-The Unit of Life | *Preparation and study of T.S of Dicot and monocot root and stem and Spotting.<br><br>*Study of osmosis by potato osmometer. |
| 6   | September 2023 | 15       | Chapter-9: Biomolecules<br>Chapter-10: Cell cycle and Cell Division.   | *Study of Plasmolysis and spotting.  |
| 7   | October 2023   | 20       | Chapter-13: Photosynthesis in higher plants<br>Chapter-14: Respiration in Plants<br>Chapter-15: Plant growth and development               | *Study of Distribution of stomata on lower and upper epidermis of a leaf and spotting.                                       |
| 8   | November 2023  | 23       | Chapter-17: Breathing and exchange of gases<br>Chapter-18: Body fluid and circulation<br>Chapter-19: Excretory products and their          | *Comparative study of rate of transpiration in the upper and lower surface of leaves and spotting.                           |
| 9   | December 2023  | 9        | Chapter-19 <b>Cont'd</b> : Excretory products and their Elimination  | *Test for presence of sugar, starch, proteins and fats in plant and animal material.   |

|    |               |    |  |  |
|----|---------------|----|--|--|
|    |               |    | Chapter-20: Locomotion and Movement  |  |
| 10 | January 2023  | 21 | Chapter-21: Neural Control and co-ordination<br>Chapter-22: Chemical control and coordination. | *Separation of plant pigment through paper chromatography and Spotting   |
| 11 | February 2023 | 24 | Revision   | *Study of rate of respiration/ Spotting<br>*Test for presence of sugar, urea, albumin and bile salts in urine. |
| 12 | March 2023    | 19 | Revision and annual examination  |  |

### Portion for Assessments – 2023-24

|             |   |
|-------------|---|
| PT-1        | Chapter-1: The Living World<br>Chapter-2: Biological Classification<br>Chapter-3: Plant Kingdom<br>Chapter-4: Animal Kingdom<br>Chapter-5: Morphology of flowering plants   |
| Half yearly | Chapter-1: The Living World<br>Chapter-2: Biological Classification<br>Chapter-3: Plant Kingdom<br>Chapter-4: Animal Kingdom<br>Chapter-5: Morphology of flowering plants<br>Chapter-6: Anatomy of flowering plants<br>Chapter-7: Structural Organisation in Animals<br>Chapter-8: Cell-The Unit of Life<br>Chapter-9: Biomolecules<br>Chapter-10: Cell cycle and cell division.<br>Chapter-13: Photosynthesis in higher plants |
| PT-2        | Chapter-14: Cellular Respiration<br>Chapter-15: Plant growth and development  |



|             |   |
|-------------|---|
|             | Chapter-16: Digestion and absorption<br>Chapter-17: Breathing and exchange of gases<br>Chapter-18: Body fluid and circulation |
| Annual Exam | Full Syllabus   |

### Projects/Subject Enrichment Activities

| Month                 | Activity  | Objective   | Details/Evaluation   |
|-----------------------|---|---|--|
| <b>May-2023</b>       | Practical and Record work on  | Enable students to understand to perform experiments based on theory  | As per CBSE syllabus Practical Record keeping                                      |
| <b>August-2023</b>    | Practical and Record work on  | Enable students to understand to perform experiments based on theory  | As per CBSE syllabus Practical Record keeping                                      |
| <b>September 2023</b> | Practical and Record work Final Investigatory Project based on research and review of literature. | Enable students to understand by way of field visit<br>Enable students to understand byway of experiential learning in investigatory approach | As per CBSE syllabus Practical Record keeping and investigatory report preparation |
| <b>October 2023</b>   | Field Study to educational institutions/sites.  | Enable students to get idea on practical experiences, advanced learning and scopes of higher studies.   |  |

# Delhi Public School, Numaligarh

Class: XI-A

Scheme of Work: 2023-24

Sub: Computer Science

| S.N | Month     | No. of ID | Computer Science with Python-Sumita Arora  |
|-----|-----------|-----------|--|
| 1   | may       | 20        | <b>Unit 1- Computer System and organization</b><br>Section-1: basic computer organization<br>Section-2: Types of software<br>Section-3: Operating System (OS)<br>Section-4: Boolean logic  |
| 1   | June-July | 26        | <b>Unit 1- Computer System and organization</b><br>Section-5: Number Systems<br>Section-6: Encoding Schemes<br><b>Unit 2- Computational Thinking and Programming – 1</b><br>Section-1: Introduction to Problem solving<br>Section-2: Familiarization with the basics of Python programming |
| 2   | Aug       | 24        | <b>Unit 2- Computational Thinking and Programming – 1</b><br>Section-3: Knowledge of Data Types<br>Section-4: Operators & Expressions<br>Section-5: Errors<br>Section-6: Flow of control, Conditional Statements   |
| 3   | Sep       | 17        | <b>Unit 2- Computational Thinking and Programming – 1</b><br>Section-7: Iterative Statements   |
| 4   | Oct       | 20        | <b>Unit 2- Computational Thinking and programming-1</b><br>Section-8: Strings<br>Section-9: Lists<br>Section-10: Tuples  |
| 5   | Nov       | 25        | <b>Unit-2 Computational Thinking and programming-1</b><br>Section-11: Dictionary<br>Section-12: Introduction to Python modules   |
| 6   | Dec       | 10        | Revision   |
| 7   | Jan       | 21        | <b>Unit-3 Society, Law and Ethics</b>  |

|   |            |    |  |
|---|------------|----|--|
|   |            |    | Section-1: Digital Footprints<br>Section-2: Digital Society and Netizen<br>Section-3: Data Protection<br>Section-4: Cyber Crime<br>Section-5: Cyber Safety<br>Section-6: Safely accessing Websites<br>Section-7: E-waste management<br>Section-8: Indian Information Technology Act(IT Act)<br>Section-9: Technology & Society |
| 8 | <b>Feb</b> | 23 | <b>Revision, Practical &amp; Project Work</b>  |
| 9 | <b>Mar</b> |    | <b>Annual Examination</b>  |

### Portion for Assessments-2023-24

|                         |   |
|-------------------------|---|
| <b>PT-1</b>             | Unit 1- Computer System and organization<br>Unit-2 Computational Thinking and programming(Section-1 to 3) |
| <b>Half Yearly Exam</b> | Unit 1- Computer System and organization<br>Unit-2 Computational Thinking and programming(Section-1 to 7) |
| <b>PT-2</b>             | Unit 2- Computational Thinking and programming(Secton-8 to Section-12)                                    |
| <b>Annual Exam</b>      | Complete Syllabus   |

### Projects/Subject Enrichment Activities

| Month                      | Activity  | Objective/s  | Details & Evaluation                                      |
|----------------------------|---|--|---|
| <b>July &amp; Aug-2023</b> | Preparation of flowchart  | Understand the concept , purpose, design and process of doing flowchart,   | Clarity, step- by -step mapping of all process            |
| <b>Nov-2023</b>            | Find the largest and smallest numbers in a list, find whether string is a palindrome, compute GCD and LCM<br>Annual Project on any user friendly applications | Enable students to develop idea on programming skill<br><br>Enable students to develop application, used in real life using python | Logic, documentation/indentation and output presentation: |

| Sl.no  | Month          | No of Instructional Days | Statistics for Economics                                | Introductory Microeconomics   |
|--|----------------|--------------------------|---|---|
| 01   | May            | 25                       | Unit 1: Introduction                                    | Unit: 4 : Introduction  |
| 02   | June & July    | 15+ 6=21                 | Unit 2: Collection, Organisation & Presentation of Data | Unit 4: Central problems of an economy  |
| 03   | August         | 24                       | Unit 3: Measures of Central tendency:                   | Unit 5: Consumer's Equilibrium & Demand : Cardinal utility analysis.                              |
| 04   | September      | 16                       | Unit 3: Measures of Central tendency:                   | Unit 5: Consumer's Equilibrium & Demand :   |
| 05   | October        | 20                       | Unit 3: Correlation                                     | Unit 6: Producer behaviour and Supply   |
| 06   | November       | 23                       | Unit 3: Correlation                                     | Unit 6: Producer behaviour and Supply   |
| 07   | December       | 09                       | Unit 3: Introduction to Index Numbers                   | Unit 7: Forms of Market & Price determination Under Perfect Competition with simple applications. |
| 08   | January (2024) | 21                       | Unit 3: Introduction to Index Numbers                   | Unit 7: Forms of Market & Price determination Under Perfect Competition with simple applications. |
| 09   | February, 2024 | 24                       | Revision  | Revision  |
| <b>SUBJECT MAGAZINE FOR HALF YEARLY FOR EVALUATION OF 20 MARKS: 28/07/23 ( Internal assessment)/ presentation</b>              |                |                          |   |   |
| <b>PROJECT AS PER CBSE GUIDELINES , SUBMISSION ON 06/11/2023( Annual, Project viva), Viva will be conducted / Presentation</b> |                |                          |   |   |
| <b>PORTION FOR ASSESSMENT</b>  |                |                          |   |   |
| 09   | June           | 19/6/23–<br>23/6/23      | PT 1: ( Unit 1, 2)                                      | Unit: 4   |
| 10   | Sept           | 21/9/23 –<br>30/9/23     | HY: Unit: 1,2,3   | Unit: 4,5   |
| 11   | March          | 02/03/24–<br>11/03/24    | AE: Unit: 1,2,3   | Unit: 4,5,6,7   |

### CRITERIA FOR PROJECT WORK/ SUBJECT MAGAZINE

| Month                     | Activity   | Objective   | Details & Evaluation         | Submission                                       |
|---------------------------|--|---|------------------------------|--|
| April /May                | Choose Topic<br>Collection of data/material                    | <ul style="list-style-type: none"> <li>➤ Probe deeper into theoretical concepts learnt in classes.</li> <li>➤ Demonstrate the learning of economic theory</li> <li>➤ Follow up aspects of economics in which learners have interest.</li> </ul> | ➤ Relevance of the topic - 3 |  |
| June                      | Organisation of data/material<br>Presentation of data/material |   | ➤ Research work-6            |  |
| August-                   | Analysing the material/data for conclusion                     |   | ➤ Presentation-3             | Magazine (Class –XI & XII). Both have to submit  |
| October                   | Draw conclusion  |   | ➤ Viva-voce-8                |  |
| December                  | Presentation of the project                                    |   |                              |  |
| July/<br>October/November | Project Submission   | For Half Yearly-<br>Date mention  | For Annual /CBSE             | Project (Class – XI & XII). Both have to Submit. |

| S.N | Month      | No. of ID | Fundamentals of Physical Geography   | India: Physical Environment                                      | Practical work                                      |
|-----|------------|-----------|--|--|---|
| 1   | May 2023   | 25        | Geography as a discipline (L 1)<br><b>The Origin and Evolution of the Earth (L 2)</b>                |  | Introduction to maps<br>Map Scale                   |
| 2   | June 2023  | 15        | Interior of the Earth (L 3)<br>Distribution of Oceans and Continents(L 4)                            |  | Latitude, Longitude and Time                        |
| 3   | July-2023  | 06        |  | India — Location (L 1)   |   |
| 4   | Aug-2023   | 24        | Geomorphic Processes (L 6)   | <b>Structure and Physiography (L 2)</b><br>Drainage System (L 3) | <b>Map Projections</b>                              |
| 5   | Sep-2023   | 16        | <b>Landforms and their Evolution (L7)</b>  |  | <b>Map Projections</b><br><b>Topographical Maps</b> |
| 6   | Oct-2023   | 20        | Composition and Structure of Atmosphere (L 8)<br>Solar Radiation, Heat Balance and Temperature (L 9) |  | <b>Topographical Maps</b>                           |
| 7   | Nov-2023   | 23        | <b>Atmospheric Circulation and Weather Systems (L 10)</b><br>Water in the Atmosphere (L 11)          | <b>Climate (L 4)</b>   | Introduction to Aerial<br>Photography               |
| 8   | Dec-2023   | 09        | <b>World Climate and Climate Change (L 12)</b><br><b>(Holiday Home work)</b>                         | Natural Vegetation (L 5)   | Introduction to remote sensing                      |
| 9   | Jan-2024   | 21        | Water (Oceans) (L 13)<br>Movements of Ocean Water (L 14)   |  |   |
| 10  | Feb-2024   | 24        | Life on the Earth (L 15)<br>Biodiversity and Conservation (L 16)                                     | Natural Hazards and Disasters                                    |   |
| 11  | March-2024 | 19        |  |  |   |

### Portion for Assessments-2023-24

| PT-1   | Half Yearly Exam  | PT-2  | Annual Exam   |
|--|---|---|---------------|
| Fundamental of Physical Geography: L 1,2 & 3 | Fundamental of Physical Geography:<br>Unit I, II and III (L 1 to 6)<br>India: Physical Environment: L 1,2 & 3 | Fundamental of Physical Geography:<br>L 7<br>India: Physical Environment: L 5 | Full syllabus |

| Sl.No. | MONTH       | No. of ID | TOPICS/UNITS to be covered  |
|--------|-------------|-----------|---|
| 1.     | May-2023    | 20        | <p><b>Sets</b><br/>Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.</p>   |
| 2.     | June-2023   | 19        | <p><b>Relations &amp; Functions:</b><br/>Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto <math>R \times R \times R</math>). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of function</p>     |
|        |             |           | <p><b>Trigonometric Functions:</b><br/>Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity <math>\sin^2x + \cos^2x = 1</math>, for all x. Signs of trigonometric functions.</p>  |
| 3.     | July-2023   | 6         | <p><b>Trigonometric Functions:</b><br/>Domain and range of trigonometric functions and their graphs. Expressing <math>\sin(x \pm y)</math> and <math>\cos(x \pm y)</math> in terms of <math>\sin x</math>, <math>\sin y</math>, <math>\cos x</math> &amp; <math>\cos y</math> and their simple applications. Deducing identities like the following:<br/> <math>\tan(x \pm y)</math><br/> <math>\cot(x \pm y)</math><br/> <math>\sin \alpha \pm \sin \beta</math><br/> <math>\cos \alpha + \cos \beta</math><br/> <math>\cos \alpha - \cos \beta</math><br/> Identities related to <math>\sin 2x</math>, <math>\cos 2x</math>, <math>\tan 2x</math>, <math>\sin 3x</math>, <math>\cos 3x</math> and <math>\tan 3x</math>.</p> |
| 4.     | August-2023 | 24        | <p><b>Complex Numbers and Quadratic Equations:</b><br/>Need for complex numbers, especially <math>\sqrt{-1}</math>, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane</p>  |
|        |             |           | <p><b>Linear Inequalities:</b><br/>Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.</p>   |
|        |             |           | <p><b>REVISION FOR P.T-1</b></p>  |

| Sl.No. | MONTH          | No. of ID | TOPICS/UNITS to be covered  |
|--------|----------------|-----------|---|
| 4.     | September-2023 | 17        | <b>Permutations and Combinations:</b><br>Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for ${}^n P_r$ and ${}^n C_r$ and their connections, simple applications.   |
|        |                |           | <b>Binomial Theorem:</b><br>Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.  |
| 5.     | October-2023   | 16        | <b>Sequence and Series:</b><br>Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.   |
|        |                |           | <b>Straight Lines:</b><br>Brief recall of two dimensional geometry from earlier classes, Slope of a line and angle between two lines, Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line.                         |
|        |                |           | <b>REVISION FOR HALF YEARLY EXAM</b>  |
| 6.     | November-2023  | 22        | <b>Conic Sections:</b><br>Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle                             |
|        |                |           | <b>Introduction to Three-dimensional Geometry:</b><br>Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.   |
|        |                |           | <b>Limits and Derivatives:</b><br>Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions, trigonometric, exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve |
| 8.     | December-2023  | 14        | <b>Limits and Derivatives:</b><br>Derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.  |
|        |                |           | <b>Statistics:</b><br>Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data.   |
| 10.    | Feb 2024       | 24        | <b>Revision for Annual Exam</b>   |



**Portion for Assessment-2023-'24**

|                         |  |
|-------------------------|--|
| <b>Periodic Test-1</b>  | Chapter1:Sets Chapter2:Relations and Functions<br>Chapter3:Trigonometric Functions<br>Chapter 5:Complex Number<br>Chapter6: Linear Inequality  |
| <b>Half Yearly exam</b> | Chapter1:Sets Chapter2:Relations and Functions<br>Chapter3:Trigonometric Functions<br>Chapter 5:Complex Number<br>Chapter6: Linear Inequality<br>Chapter 7: Permutations and Combinations<br>Chapter 8: Binomial Theorem<br>Chapter 9: Sequence and Series<br>Chapter 10: Straight Lines |
| <b>Periodic Test-2</b>  | Chapter-11 Conic Sections<br>Chapter-12 Introduction to Three-dimensional Geometry<br>Chapter-13 Limits and Derivatives<br>Chapter-14 Statistics   |
| <b>Annual Exam</b>      | Full Syllabus  |

Activities to be performed during the year:

1. To distinguish between a relation and a function.
2. To find the number of subsets of a given set and verify that if a set has  $n$  elements, then total number of subsets is  $2^n$ .
3. To verify that for two sets  $A$  and  $B$ ,  $n(A \times B) = p \times q$  and the total number of relations from  $A$  to  $B$  is  $2^{pq}$ .
4. To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.
5. Permutations and Combinations: To find number of ways in which three card can be selected from five cards.
6. To find analytically  $\lim_{x \rightarrow c} \frac{x^2 - c^2}{x - c}$
7. To verify the equation of line passing through the intersection of two given lines is of the form  $a_1x + b_1y + c_1 + \alpha(a_2x + b_2y + c_2) = 0$ .
8. To write the sample space when the coin is tossed twice, thrice, four times and so on.
9. To find the number of combinations that is the number of selection of ' $r$ ' things out of ' $n$ ' things, where  $n \geq r$ .
10. To demonstrate that the arithmetic Mean of two positive numbers is always greater than the geometric mean.
  - The activities performed by the student throughout the year and record keeping: **5 marks**
  - Assessment of the activity performed during the year end test: **3 marks**
  - Viva voce: **2 marks**

**Class: XI**

**Scheme of Work: 2023-24**

**Sub: PSYCHOLOGY**

| S.N | Month         | No. of ID | Unit to be Covered   | PRACTICAL                     |
|-----|---------------|-----------|--|-------------------------------|
| 1   | May 2023      | 25        | <ul style="list-style-type: none"><li>What is Psychology?</li></ul>  |                               |
| 2   | June 2023     | 15        | <ul style="list-style-type: none"><li>What is Psychology?</li><li>Methods of Psychological Enquiry</li></ul> |                               |
| 3   | July 2023     | 06        | <ul style="list-style-type: none"><li>Methods of Psychological Enquiry</li></ul>                             | Project on Methods of Enquiry |
| 4   | August 2023   | 24        | <ul style="list-style-type: none"><li>Learning</li><li>Human Memory</li></ul>                                | Serial and Free Recall        |
| 5   | Sept 2023     | 16        | <ul style="list-style-type: none"><li>Human Memory</li></ul>   |                               |
| 6   | October 2023  | 20        | <ul style="list-style-type: none"><li>Sensory,Attention and Perceptual Processes</li></ul>                   |                               |
| 7   | Nov 2023      | 23        | <ul style="list-style-type: none"><li>Basis of human Behaviour</li><li>Human Development</li></ul>           |                               |
| 8   | December 2023 | 09        | <ul style="list-style-type: none"><li>Human Development</li></ul>  |                               |
| 9   | January 2024  | 21        | <ul style="list-style-type: none"><li>Motivation and Emotions</li></ul>                                      | Scat                          |
| 10  | Feb 2024      | 24        | <ul style="list-style-type: none"><li>Thinking</li><li>Revision</li></ul>                                    |                               |
| 11  | March 2024    | 19        | <ul style="list-style-type: none"><li>Revision</li></ul>   |                               |

**Portion for Assessments-2023-24 ( PSYCHOLOGY CLASS XI)**

|                                      |  |                        |
|--------------------------------------|--|------------------------|
| <b>PT-1 June 2023</b>                | <ul style="list-style-type: none"><li>What is Psychology?</li><li>Method of Psychological Enquiry</li></ul>  |                        |
| <b>Half Yearly Exam<br/>Sep 2023</b> | <ul style="list-style-type: none"><li>What is Psychology?</li><li>Methods of Psychological Enquiry</li><li>Human Memory</li><li>Learning</li></ul>     | Serial and Free Recall |
| <b>Pt-2<br/>Dec 2023</b>             | <ul style="list-style-type: none"><li>Human Development</li><li>Sensory ,Attention and Perceptual Processes</li><li>Basis of human Behaviour</li></ul> |                        |
| <b>ANNUAL EXAM<br/>March 2024</b>    | Full Syllabus  | 2 PRACTICALS           |

### Projects/Subject Enrichment Activities

| Month          | Activity   | Objective/s  | Details & Evaluation  |
|----------------|--|--|---|
| <b>August</b>  | <b>Report writing</b><br>The students will conduct a project on methods of Enquiry | The students will have a first hand knowledge about the methods of enquiry   | <ul style="list-style-type: none"> <li>● Correct information (content)</li> <li>● Presentation (written in clear manner)</li> </ul> |
| <b>Sep</b>     | <b>Ppt on Hunam Memory</b>   | <ul style="list-style-type: none"> <li>● Better understanding of the concept of SM,STM and LTM</li> </ul>  | <ul style="list-style-type: none"> <li>● Correct information</li> <li>● Presentation</li> <li>● Body Language.</li> </ul>           |
| <b>Dec-Jan</b> | <b>Model of Sensory Processes</b>  | <ul style="list-style-type: none"> <li>● The students will have a first hand knowledge and understanding of the different sensory processes</li> </ul> | <ul style="list-style-type: none"> <li>● Presentation</li> <li>● Correct model</li> </ul>   |

| S.N | Month         | No. of ID | NCERT Home Science Text book (Part I & Part II)  | Activity  |
|-----|---------------|-----------|--|---|
| 1.  | May -2023     | 25        | Unit I: Introduction to Home Science<br>Unit II: Understanding oneself: Adolescence<br>Ch.- Understanding the Self.<br>A. 'Who am I'?<br>B. Development and Characteristics of the Self(Development characteristics and needs of adolescents)          | 1.Understanding oneself with reference to:<br>a) Physical development in terms of age, height, weight, hip and chest circumference.<br>b) Sexual maturity (Age at menarche, Development of breasts: girls). Growth of beard, change in voice: boys)   |
| 2.  | June -2023    | 15        | C. Influences on Identity<br>Ch.- Food, Nutrition, Health and Fitness  | 2. Observe developmental norms: (Physical, Motor, Language and social - emotional) birth to three years.<br>3.a) Record own diet for a day<br>b) Evaluate qualitatively for adequacy  |
| 3.  | July-2023     | 6         | Ch. - Management of Resources  |   |
| 3.  | Aug-2023      | 23        | Ch.- Fabric Around us  | 4. Relationship of fibre properties to their usage:<br>a) Thermal property and flammability<br>b) Moisture absorbency and comfort   |
| 4.  | Sep- 2023     | 15        | Ch-Media and Communication Technology  |   |
| 5.  | October-2023  | 20        | Unit III: Understanding family, community and society<br>Ch.- Relationships and interactions with 'Significant Others'.  | 5. List and discuss 4-5 areas of agreement and disagreement with a) Mother b) Father c) Siblings/ Friends d) Teacher  |
| 6.  | November-2023 | 23        | Ch. - Concerns and needs in diverse contexts:<br>a. Nutrition, Health and Hygiene<br>b. Resources Availability and Management<br>Unit IV: Childhood<br>Ch.-Survival, Growth and Development<br>Ch.- Nutrition, Health and Wellbeing<br>Ch- Our Apparel | 6. a) Record one day's activities relating to time use and work<br>b) Prepare a time plan for yourself<br>7. Preparation of different healthy snacks for an adolescent suitable in her/his context.<br>8.a) Record the fabrics and apparel used in a day<br>b) Categorize them according to functionality |
| 7.  | Dec -2023     | 09        | Unit V: Adulthood<br>Ch.- Health and Wellness  |   |
| 8.  | Jan-2024      | 21        | Ch.- Financial Management and planning   | 9.Plan a budget for a given situation/purpose   |

|     |            |    |  |   |
|-----|------------|----|--|---|
| 9.  | Feb- 2024  | 24 | Ch.- Care and Maintenance of fabrics<br>Revision | 10. (a) Analyze label of any one garment with respect to:<br>Clarity, fiber content, size and care instruction<br>(a) Prepare one care label of any garment.<br>(b) Analyze two different fabric samples for color fastness |
| 12. | March-2024 | 19 | Annual exam                                      |   |

**Portion for Assessments-2023 - 2024**

|                    |  |
|--------------------|--|
| <b>PT-1</b>        | <b>Unit I: Introduction to Home Science</b><br><b>Unit –II- Understanding Oneself: Adolescence</b> <ul style="list-style-type: none"> <li>• Understanding the Self. What Makes Me 'I'?</li> <li>• . Development and Characteristics of the Self(Development characteristics and needs of adolescents)</li> <li>• Influences on Identity</li> <li>• Food ,Nutrition ,Health and Fitness</li> </ul>                        |
| <b>Half yearly</b> | Unit I: Introduction to Home Science<br>Unit II: Understanding oneself: Adolescence<br>Ch- Understanding the Self.<br>A. 'Who am I'?<br>B. Development and Characteristics of the Self(Development characteristics and needs of adolescents)<br>C. Influences on Identity<br>Ch.- Food, Nutrition, Health and Fitness<br>Ch. - Management of Resources<br>Ch.- Fabric Around us<br>Ch-Media and Communication Technology |
| <b>PT-2</b>        | Ch. - Concerns and needs in diverse contexts:<br>a. Nutrition, Health and Hygiene<br>b. Resources Availability and Management  |
| <b>Annual</b>      | Full syllabus  |

## Class-

## Scheme of Work: 2023-24

## Subject-Physical Education

| S. No. | Month                  | No. Of ID | Health and physical education   | Practical                              |
|--------|------------------------|-----------|---|--|
| 1      | May 2023               | 25        | <b>Changing Trends And Career In Physical Education</b> <ul style="list-style-type: none"> <li>• Concept, Aims and Objectives Of Physical Education</li> <li>• Changing trends in sports- playing surface, wearable gears and sports equipment, technological advancement</li> <li>• Career Options In Physical Education</li> <li>• Khelo-India and Fit India Program</li> </ul>   |  |
| 2      | June 2023<br>July 2023 | 15<br>06  | <b>Olympism</b> <ul style="list-style-type: none"> <li>• Ancient and Modern Olympics</li> <li>• Olympism-Concept and Olympic value</li> <li>• Olympic Symbols, Ideals, Objectives And Values Of Olympism</li> <li>• Olympic movement structure- IOC, NOC, IFS, other members</li> </ul>   | Athletics                              |
| 3      | August 2023            | 24        | <b>Physical Fitness, Wellness And Lifestyle</b> <ul style="list-style-type: none"> <li>• Meaning And Importance Of Physical Fitness, Wellness And health</li> <li>• Components Of health, Physical Fitness And Wellness</li> <li>• Traditional sports and regional games for promoting wellness</li> </ul>  | History Of<br>Main Game                |
| 4      | September 2023         | 16        | <b>Physical Education And Sports For Cswn</b> <ul style="list-style-type: none"> <li>• Concept of disability and disorder</li> <li>• Types of disability, its causes and nature</li> <li>• Aims and objectives of adaptive physical education</li> <li>• Concept Of Inclusion, It's Need And Implementation</li> <li>• Role Of Various Professionals For Children With Special Needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist And Special Educator)</li> </ul> | Basic Skills                           |
| 5      | October 2023           | 20        | <b>Yoga</b> <ul style="list-style-type: none"> <li>• Meaning And Importance Of Yoga</li> <li>• Introduction to ashthang yoga</li> <li>• Introduction-Asanas, Pranayam, Meditation And Yogic Kriyas</li> <li>• Introduction to yogic kriyas</li> </ul>   | Physical Fitness                       |
| 6      | November 2023          | 23        | <b>Fundamentals Of Anatomy, Physiology And Kinesiology In Sports</b> <ul style="list-style-type: none"> <li>• Definition and importance of Anatomy and Physiology in exercise and Sports</li> </ul>   | BMI Of 10<br>Members With<br>Graphical |

|    |               |    |  |                |
|----|---------------|----|--|----------------|
|    |               |    | <ul style="list-style-type: none"> <li>• Functions of skeletal system, classification of bones and type of joints</li> <li>• Function and structure of circulatory system and heart</li> <li>• Function and structure of respiratory system</li> </ul>   | Representation |
| 7  | November 2023 | 23 | <b>Test, Measurement And Evaluation</b> <ul style="list-style-type: none"> <li>• Concept of Test, Measurement And Evaluation</li> <li>• Classification of Test in Physical Education and sports</li> <li>• Test administration guidelines in Physical Education and Sports</li> </ul>  |                |
| 8  | December 2023 | 9  | <b>Fundamentals of Kinesiology and Biomechanics in Sports</b> <ul style="list-style-type: none"> <li>• Definition And Importance Of Kinesiology and Biomechanics in Sports</li> <li>• Principles of Biomechanics</li> <li>• Type of body movements- flexion, extension, abduction, adduction, rotation, circumduction, supination and pronation</li> <li>• Axis and planes- Concept and its application in body movements</li> </ul> |                |
| 9  | December 2023 | 9  | <b>Psychology In Sports</b> <ul style="list-style-type: none"> <li>• Definition And Importance Of Psychology In Physical Education And Sports</li> <li>• Adolescent Problems &amp; Their Management</li> <li>• Team cohesion and Sports</li> </ul>   |                |
| 10 | January 2024  | 21 | <b>Training And Doping In Sports</b> <ul style="list-style-type: none"> <li>• Concept and Principles Of Sports Training</li> <li>• Training load, Over load, Adaptation and recovery</li> <li>• Concept of doping and it's disadvantages</li> </ul>  |                |
| 11 | January 2024  | 21 | <b>Practical</b> <ul style="list-style-type: none"> <li>• <b>Physical Fitness Test</b></li> <li>• <b>Skills Of Main Game</b></li> <li>• <b>Graphical Representation Of BMI</b></li> </ul>  |                |
| 12 | February 2024 | 24 | <b>Revision</b>  |                |

### Portion for Assessments- 2023-24 for Class-XI

| Assessment       | Chapters   | Practical                                  |
|------------------|--|--|
| PT-1             | Unit-1: changing trends and career in physical education<br>Unit-2: Olympic value education  |  |
| Half yearly exam | Unit-1: changing trends and career in physical education<br>Unit-2: Olympic value education<br>Unit-3: physical fitness, wellness and lifestyle<br>Unit-4: physical education and sports for CSWN<br>Unit-5: yoga  | Physical efficiency test with project file |
| PT-2             | Unit test-6: physical activity and leadership training<br>Unit test-7: test, measurement and evaluation  |  |
| Annual exam      | Unit-1: changing trends and career in physical education<br>Unit-2: Olympic value education<br>Unit-3: physical fitness, wellness and lifestyle<br>Unit-4: physical education and sports for CSWN<br>Unit-5: yoga<br>Unit test-6: physical activity and leadership training<br>Unit test-7: test, measurement and evaluation<br>Unit test-8: fundamentals of anatomy, physiology and kinesiology in sports<br>Unit test-9: psychology in sports<br>Unit test-10: training and doping in sports | Physical efficiency test with project file |



| S.N | Month          | No. of Days | Hsitory of Indian art by Devender Kumari   |
|-----|----------------|-------------|--|
| 1   | April-2023     | 09          | <b>Unit 1 (a) - Pre historic rock painting:</b><br>Scection-1: Introduction pre-historic rock painting<br>Section-2: Period and location<br>Section-3: Study of the rock Paintings                 |
| 2   | May-2023       | 25          | <b>(b) Art of Indus Valley:</b><br>Section-1: Period and Location<br>Section-2: Study of Sculptures and Terracotta's<br>Section-3: Study of the Seal   |
| 3   | June-2023      | 20          | <b>Unit 2 Buddhist, Jain and Hindu Art:</b><br>Section-1: Introduction to art during Mauryan,Shunga<br>Section-2: Study of the Sculptures  |
| 4   | July-2023      | 06          | <b>Buddhist, Jain and Hindu Art:</b><br>Section-2: Study of the Sculptures (continue)  |
| 5   | August-2023    | 23          | <b>Introduction of Ajanta Art:</b><br>Location, Period, subject matter and technique. No. of Caves, Paintings and Sculptures   |
| 6   | September-2023 | 15          | <b>Unit 3</b><br><b>A. Temple Sculptures:</b><br>Section – 1: Artistic aspects of Indian Temple sculpture<br>Section – 2: Introduction of Temple Sculpture<br>Section – 3: Study of the Sculptures |
| 7   | October-2023   | 19          | <b>B. Bronzes:</b><br>Section – 1: Introduction to Indian Bronzes<br>Section – 2: Method of casting<br>Section – 3: Study of the south Indian Bronzes  |
| 8   | November-2023  | 22          | <b>C. Artistic aspects of Indo-Islamic architecture:</b><br>Section – 1: Introduction<br>Section - 2 Study of the architectures  |
| 9   | December-2023  | 15          | <b>Revision</b>  |
| 10  | January-2024   | 21          | <b>Revision</b>  |
| 11  | February-2024  | 23          | <b>Revision</b>  |
| 12  | March-2024     | 19          | <b>Revision</b>  |

### Portion for Assessments-2023-'24

|                         |  |  |
|-------------------------|--|--|
| <b>PT-1</b>             | Pre historic rock painting and Art of Indus Valley   | 1.Pre-Historic Rock-Paintings Introduction 1) Period and Location 2) Study Pre-historic paintings. 2. Indus valley civilization Introduction Period and Location, Extension: In about 1500 miles. Harappa & Mohenjo-daro (Now in Pakistan) ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India) 2 Study of Sculptures and Terra cottas.  |
| <b>Half Yearly Exam</b> | Buddhist, jain and Hindu Art Art of Ajanta Caves   | 1. General Introduction to Art during Mauryan, Shunga, Kushana (Gandhara and Mathura styles) and Gupta period: 2. Study and appreciation of following Sculptures. Introduction to Ajanta Location Period, No of caves, Chaitya and Vihara, paintings and sculptures, subject matter and technique etc.   |
| <b>PT-2</b>             | Temple Sculptures Bronze Sculptures  | 1. Temple Sculpture, Bronzes and artistic aspects of Indian temple sculpture 2. Indo Islamic Architecture (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 and appreciation of Temple-Sculptures.  |
| <b>Annual Exam</b>      | Pre historic rock painting and Art of Indus Valley<br>Buddhist, jain and Hindu Art<br>Art of Ajanta Caves<br>Temple Sculptures<br>Bronze Sculptures and indo Islamic architecture, | 1.Pre-Historic Rock-Paintings Introduction 1) Period and Location 2) Study Pre-historic paintings. 2. Indus valley civilization Introduction Period and Location, Extension: In about 1500 miles. Harappa & Mohenjo-daro (Now in Pakistan) ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India) 2 Study of Sculptures and Terra cottas.<br>1. General Introduction to Art during Mauryan, Shunga, Kushana (Gandhara and Mathura styles) and Gupta period: 2. Study and appreciation of following Sculptures. Introduction to Ajanta Location Period, No of caves, Chaitya and Vihara, paintings and sculptures, subject matter and technique etc.<br>1. Temple Sculpture, Bronzes and artistic aspects of Indian temple sculpture 2. Indo Islamic Architecture (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 and appreciation of Temple-Sculptures. |

### Projects/Subject Enrichment Activities

| Month                      | Activity  | Objective/s  | Details & Evaluation  |
|----------------------------|---|--|---|
| April to August-2023       | Nature and object study (Completion By 31 <sup>st</sup> Aug)  | Exercises in pencil with light & shade and in colour from fixed point of view                | Drawing-10<br>Treatment of colours-05<br>Overall impression-05                        |
| September to December-2023 | Painting Composition (Completion By 8 <sup>th</sup> Jan 2024) | Imaginative Painting based on subjects from life & nature in water colour and poster colour. | Compositional arrangement-10<br>Treatment of colour-05<br>Originality, Creativity-05  |
| January-2024               | Portfolio Assessment Submission by 29 <sup>th</sup> Feb 2024  | Record of the entire years performance from sketch to finished product.                      | Record of the entire year-10<br>Nature and object study-05<br>Painting composition-05 |
| February-2024              | Revision  |  | Total marks (Practical)-60  |