MONTH WISE SPLIT UP OF SYLLABUS

CLASS XII

SUBJECT- MATHEMATICS

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| MONTH | CHAPTER | TEACHING AID | ACTIVITY |
| APRIL | MATRICES AND DETERMINANT | CHART PAPER | TYPE OF MATRICES |
| JUNE | RELATION AND FUNCTION  INVERSE TRIGONOMETRY | COLOUR PAPER, GRAPH  GRAPH | 1)VERIFY THE EQUIVALENCE RELATION  2)TO DEMONSTRATE THE FUNCTION WHICH IS NOT ONE- ONE BUT ONTO  3.TO DRAW THE GRAPH OF SIN -1X USING GRAPH OF SIN X  2)TO |
| JULY | CONTINUITY  DIFFERENTIABILITY AND SECOND ORDER DERIVATIVE | A PIECE OF PLYWOOD, WIRE, WHITE PAPERR | TO VERIFY ROLLE’S THEOREM |
| AUGUST | APLICATION OF DERIVATIVES | WIRE, PLAYWOOD, WHITE PAPER, TRIGONOMATRIC  TABLE | TO UNDERSTAND THE CONCEPT OF INCREASING AND DECREASING FUN. |
| SEPTEMBER | L.P.P AND INDEFINITE INTEGRALS | GRAPH, GEOMETRY BOX | PLOT THE GRAPH OF L.P.P AND OBTIAN OPTIMUM SOLUTION |
| OCTOBER | DEFINITE INTEGRALS AND APPLICATION OF INETGRALS  DEFERNTIAL EQ. AND VECTOR | CORD BOARD,WHITE PAPER  GEOMETRY BOX ,CARD BOARD, WHITE PAPER | TO EVALUATE GRAPHICALLY AND VERIFY ANALITICALY  TO VERIFY , c x (a+b ) = cxa + cxb |
| NOVEMBER | 3D AND PROBABLITY | CARD BOARD , WOODEN RODS, NUT BOLTS | TO DEMONSTRATE THE EQ. OF PLANE IN NORMAL FORM  OR  EXPLAIN THE COMPUTATION OF CONDITIONAL PROBABLITY |
| DECEMBER | Revision | Revision | Revision |
| JANUARY | Revision | Revision | Revision |

MONTH WISE SPLIT UP OF SYLLABUS

CLASS XII

SUBJECT- PHYSICS

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| month | Chapter | Activity |
| April | 1. Electric Charge and Fields  2. Electrostatic Potential and Capacitance | 1. To determine resistivity of two/three wires by plotting a graph for potential difference versus current.  2. To find resistance of given wire using metre bridge. |
| June | 3. Current Electricity | (1) To assemble a household circuit comprising three bulbs,  three switches, a fuse and a power source |
| July | 4. Moving Charges and Magnesium  5. Magnetism And Matter  6. Electromagnetic Induction | (2) To assemble the components of a given electrical circuit.  3. To verify the laws of combination (series/parallel ) of resistances using a metre bridge.  4. To determine resistance of a galvanometer by half deflection method and to find its figure of merit. |
| August | 7. Alternating current  8. Electromagnetic Waves | 5. To find the value of v for different values of u in case of a concave mirror and to find the focal length.  6. To find the focal length of convex mirror using concave lens. |
| September | 9. Ray Optics and Optical Instrument  10. Wave Optics  11. Dual Nature of Radiation and Matter | 7. To find focal length of a convex lens by plotting graphs between u and v.  8. To find focal length of concave lens using convex lens.  9. To determine refractive index of a glass slab using a travelling micro scope. |
| October | 12. Atoms  13. Nuclei | 10. To find refractive index of a liquid using convex lens and plane mirror.  11. To draw the I-V characteristics curve for a p-n junction in forward bias and reverse bias. |
| November | 14. Semi Conductor Devices | (3) To identify a diode,a LED, a resistor and capacitor from mixed collection of such items |
| December | Revision | Revision |

**SYLLABUS SPLIT U-UP AND PRACTICALS FOR THE SESSION 2024-25**

**CLASS –XII CHEMISTRY**

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|  | **SPLIT-UP AND PRACTICALS LIST FOR THE SESSION 2024-25** | |  |
|  |  | **CLASS –XII** |  |
| S.NO. | **MONTH** | **UNIT NAME** | **PRACTICALS** |
| 1 | APRIL | UNIT6. HALOALKANES AND HALOARENES | CONTENT BASED EXPERIMENT ( functional group detection ) |
| 2 | JUNE | UNIT 7. ALCOHOL, PHENOL AND ETHERS | VOLUMETRIC ANALYSIS ( Mohr's salt vs. potassium permagnate ), PROJECT SUBMISSION |
| 3 | JULY | UNIT 1. SOLUTIONS | SALT ANALYSIS : GROUP ZERO, FIRST,SECOND |
| 4 | JULY | UNIT 2. ELECTROCHEMISTRY | SALT ANALYSIS : GROUP SECOND, THIRD |
| 5 | AUGUST | UNIT 8. ALDEHYDES, KETONES AND CARBOXYLIC ACIDS | SALT ANALYSIS : GROUP FOUR, FIVE |
| 6 | SEPTEMBER | UNIT 9. ORGANIC COMPOUNDS CONTAINING NITROGEN | VOLUMETRIC ANALYSIS ( potassium permagnate vs oxalic acid ) |
| 7 | SEPTEMBER | UNIT 5. COORDINATION COMPUNDS | REVISION OF VA AND SA |
| 8 | OCTOBER | UNIT 4. d and f BLOCK ELEMENTS | CONTENT BASED EXPERIMENT ( TEST FOR PROTEINS, FATS AND CARBOHYDRATES ) |
| 9 | OCTOBER | UNIT 3. CHEMICAL KINETICS | PREPARATIONS of : Potash alum, Dibenzalacetone |
| 10 | OCTOBER | UNIT 10. BIOMOLECULES ( SYLLABUS COMPLETION BOTH FOR PRACTICAL AND THEORY) | CHROMATOGRAPHY |
| 11 | NOV., DEC. | REVISION OF WHOLE SYLLABUS, ASSIGNMENT SUBMISSION | REVISION OF VA AND SA |
| 12 | JANUARY | REVISION OF WHOLE SYLLABUS, LAST FIVE YEARS PYQ SUBMISSION | FINAL BOARD PRACTICALS |
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**ENGLISH CORE 2024-25**

**SPLIT-UP SYLLABUS 2024-25**

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| S.No. | Month | Name of The Lesson/Topic | Activity |
| 1 | April | Flamingo-1. The Last Lesson (Prose)  Flamingo-1. My Mother At Sixty Six (Poem)  Flamingo-2. Keeping Quiet (Poem)  Vistas-1. The Third Level  Notice Writing, Article Writing | Write an Article on ‘Relationship with My Parents  Speak in your Mother tongue about your mother.  Writing a Notice on any forthcoming event  Collage on your Dream College |
| 2 | June | Flamingo-2. Lost Spring (Prose)  Flamingo-3 A Thing of Beauty (Poem) | Power Point presentation on ‘Child Labour’  Prepare 10 slides on the beauty of nature. |
| 3 | July | Flamingo-3 Deep Water (Prose)  Vistas-2 The Tiger King  Letter to the Editor  Invitations & Replies | Writing an account on the success of one Para-Olympian.  PowerPoint Presentation on ‘ Project Tiger’  Writing a Letter to Editor on Disastrous Effects of War  Make an Invitation Card- For Birthday party.  Collection of Formal and Informal Invitation cards. |
| 4 | August | Flamingo-4 The Rattrap (Prose)  Flamingo-4. A Roadside Stand (Poem)  Vistas-3 Journey to The End of The Earth  J  ob Application and Bio-data Writing  Listening And Speaking Activities | Role Play of different characters.  Collection of Literary/Poetic devices  Writing a Travelogue on personal experience |
| 5 | September | Flamingo-5 Indigo (Prose)  Flamingo-6 Poets and Pancakes (Prose)  Vistas-4 The Enemy  Report Writing | Autobiography Writing- Students will be guided to write some pages on their own lives  Group Discussion on ‘Use of Technology in Film Production’  Report on national/international issues |
| 6 | October | Flamingo-7 The Interview (Prose)  Flamingo-5. Aunt Jennifer's Tigers (Poem)  Vistas-5 On the Face of It  Vistas-6 Memories of Childhood | Debate writing – Interview makes one popular  Writing a Letter to the Editor against Women Exploitation  Discussion on Tools and Techniques of Project |
| 7 | November | Flamingo-8 Going Places (Prose) | Speaking Activity on Adolescence Fantasising and Its Effects  Elocution- Social alienation is more painful than physical impairment |
| 8 | December | Revision & Pre-Board Examination |  |
| 9 | January | Revision and  Project Submission/ASL/VIVA VOCE |
| 10 | February | Revision |
| 11 | March | CBSE Board Examinations 2024 |

Annual Planner

Class XII

**Computer Science**

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| Month | Chapter | Activity |
| April | Review of Python | Functions based programs |
| June | Relational database and SQL | Database and Table Creation |
| July | Exception handling | Different types Error |
| August | Data file Handling | Binary & Text file based programs |
| September | Data structure in python | Stack implementation |
| October | Interface Python with SQL | Python and SQL connectivity |
| November | Computer Networking | Types of Network and Topology |
| December | Revision & preboard-1 |  |
| January | Revision & Preboard-2 |  |

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| **विभाजन** | **कक्षा-12,हिंदी वार्षिक पाठ्यक्रम विभाजन**  **हिंदी कोर 302** |  |
| **माह** | **पाठ** | गतिविधियाँ |
| **APRIL** | **आत्मपरिचय,एक गीत,भक्तिन,सिल्वर वेडिंग,जनसंचार माध्यम** | रचनात्मक लेखन |
| **JUNE** | **बाजार दर्शन,पतंग,कहानी का नाट्य रूपांतरण** | तात्कालिक भाषण |
| **JULY** | **काले मेघा पानी दे,कविता के बहाने,जूझ,रेडियो नाटक** | कहानी लेखन,श्रवण कौशल |
| **AUGUST** | **बात सीधी थी पर,कविता के बहाने,पहलवान की ढोलक,अतीत में दबे पांव** | आलेख लेखन,परियोजना निर्माण |
| **SEPTEMBER** | **कैमरे में बंद अपाहिज,उषा,अप्रत्याशित विषयों पर लेखन** | साक्षात्कार,श्रवण कौशल |
| **OCTOBER** | **बादल राग,तुलसीदास,रचनात्मक लेखन** | अप्रत्याशित विषयों पर लेखन |
| **NOVEMBER** | **रुबाइयाँ ,छोटा मेरा खेत** | लेखन कौशल |
| **DECEMBER** | **Revision** |  |
| **JANUARY** | **Revision** |  |

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| Class XII Informatics Practices | | |
| Month | Topic | Activity |
| April | Database Query Using SQL | Functions |
| June | \* Introduction to Pandas \* Series | programs based on Series |
| July | \* Dictionary nad its operations |  |
| Aug | Data Visualization | charts |
| Sep | \* List and List Operations \* Dictionary | Operations on List and Dictionary |
| Oct | Data frames and CSV files | practicals |
| Nov | Computer Networks |  |
| Dec | Revision |  |
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**LEGAL STUDIES**

**ANNUAL PLANNER & ACTIVITIES**

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| **MONTH** | **CHAPTER** | **ACTIVITY** |
| **APRIL** | UNIT 1-JUDICIARY | * Prepare an assignment on:   Judiciary in India as a guardian and custodian of the Constitution. |
| **JUNE** | UNIT 2- ALTERNATIVE DISPUTE RESOLUTION IN INDIA(ADR)  UNIT 3- TOPICS IN LAW (BUSINESS LAW)  Ch 3C – Law of property  Ch 3B- Law of Torts | * Quote giving examples on how the concept of Lok Adalats is an innovative Indian contribution on the global legal jurisprudence. * Prepare a table on the difference between movable and immovable property with reference to the following: * Movement of property * Transfer * Registration * Legal Provision |
| **JULY** | UNIT 5-CONCEPT OF HUMAN RIGHTS  Ch 5A- HUMAN Rights in India  Ch 5B- Human Rights Violation -Complaint Mechanism (Quasi Judicial Bodies)  UNIT 3  Ch 3D- Intellectual Property Law. | * Write your views on 200 words on:   Are Human Rights anti -Majoritarian   * Activity on exemplification based questions given in the chapter. |
| **AUGUST** | UNIT 4- TOPICS IN LAW( GENERAL LAWS)  Ch 4A -Law and sustainable development  Ch 4C -Criminal Laws in India | * Prepare a report on Agenda 21 as an initiative under international scenario as a means to foster sustainable development. * Activity on Capital punishment. |
| **SEPTEMBER** | UNIT 7- LEGAL PROFESSION IN INDIA | * Collect and stick pictures and newspaper articles on:   “Advertising and solicitisation by lawyers across the globe”.  REVSION ON FOR TERM 1 |
| **OCTOBER** | UNIT 7 ( CONTD)  UNIT 6- INTERNATIONAL LAW  UNIT 8- LEGAL SERVICES | * Write a summary of the articles/issues/stories/photos/words related to International Business, Environment Protection, Refugees, & war and Conflicts. * Discuss the main provisions for free legal aid under the Indian Constitution |
|  |  | Note: ANNUAL PROJECT AS PER THE CBSE SYLLABUS |

वार्षिक पाठ्यक्रम

कक्षा- द्वादशी संस्कृतम्

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| Month | Chapter | Activities |
| अप्रैल | पाठ-1अनुशासनम्  पाठ-3 मातुराज्ञा गरीयसी, अपठितगद्यांशः  अनुवादः, शब्दरूपाणि अव्ययाः | गतिविधि- संस्कृतसाहित्यस्य 10 कवीनां सचित्र-नामोल्लेखः परिचयश्च |
| जून – | पठितपाठस्य व्याकरणयोः पुनरावृत्तिः, प्रत्ययाः, धातुरूपाणि स्वर सन्धि संख्या 1-30 | गतिविधि - भारतीयसंस्कृतौ वैज्ञानिकचिन्तनम् |
| जुलाई – | पाठ -4 प्रजानुरञ्जको नृपः,  पाठ-5 दौवारिकस्य निष्ठा,  महाकाव्यः , नाट्यसाहित्यस्यपरिचयः  पत्रलेखनम्,चित्र -वर्णनम्, व्यंजनसन्धिः | गतिविधि - कर्मोपरि सचित्रलेखः। |
| अगस्त - | पाठ 6 सूक्ति-सौरभम्,  संख्या 31-50, विशेषण-विशेष्यम् | गतिविधि - श्रुतलेखनम् |
| सितंबर – | पाठ-7  नैकेनापि समं गता  पठितपाठस्य व्याकरणयोः पुनरावृत्तिः, समासाः | गतिविधि - वार्तावाचनम् |
| अक्टूबर – | पाठ -9 मदालसा , पाठ-11 कार्याकार्यव्यवस्थितिः, गद्य तथाश्च चम्पूकाव्यम् ,  विसर्गसन्धिः , अन्वयः | गतिविधि - षोडश संस्काराणां सचित्रवर्णनम् |
| नवंबर – | पुनरावृत्ति | गतिविधि - समास/सन्धि आधारित गतिविधि। |
| दिसम्बर - | पूर्व परीक्षा | गतिविधि - मानवसंरचनाधारित सचित्र-गतिविधि। |
| जनवरी | - सकल पाठ्यक्रमस्य पुनरावृत्तिः। | आदर्श- प्रश्नपत्राणां समाधानम् |
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Entrepreneurship

class 12th

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| Month | Portion |  |
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| April | entrepreneurship opportunities concept and functions |  |
| June | Entrepreneurship planning  Entrepreneurship marketing |  |
| July | Entrepreneurial marketing |  |
| August | Growth and strategy |  |
| September | Arithmetic |  |
| October | Resource mobilization |  |

Physical Education

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| --- | --- | --- |
| MONTH | CHAPTER | ACTIVITY |
| APRIL | CHAP-1  MANAGEMENT OF SPORTING EVENT | TO KNOW ABOUT FIXTURES AND DETAILS |
| JUNE | CHAP-2  CHILDREN & WOMEN IN SPORTS | WOMEN PARTICIPATION IN SPORTS |
| JULY | CHAP-3  YOGA AND LIFE STYLES  CHAP-4  PE OR SPORTS FOR CWSA | DIFFERENT TYPES OF ASHANS AND EXPLAIN HOW TO PERFORM  CONCEPT OF DISABILITY OR DISORDER |
| AUGUST | CHAP-5  SPORTS & NUTRITION  CHAP-6  TEST AND MEASUREMENT IN SPORTS | CONCEPT OF BALANCE DIET  MOTOR FITNESS TEST,  MUSCULAR STRENGTH MEASUREMENT |
| SEPTEMBER | CHAP-7  PHYSIOLOGY & INJURIES IN SPORTS  CHAP-8  BIOMECHANICS & SPORTS | CLASSIFICATION OF SPORTS INJURIES  NEWTONS LAW, TYPE OF LEVERS |
| OCTOBER | CHAP-9  PSYCHOLOGY IN SPORTS | STRESS, ANXIETY MANAGEMENT |
| NOVEMBER | CHAP-10    TRAINING IN SPORTS DIFFERENT TYPE OF PHYSICAL FITNESS | |
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| DECEMBER  JANUARY | PREBOARD-1 & REVISION  PREBOARD-1 & REVISION | |

MONTH WISE SPLIT UP OF SYLLABUS

CLASS XII

SUBJECT- MATHEMATICS

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| --- | --- | --- |
| MONTH | CHAPTER | ACTIVITY |
| APRIL | 1. sexual reproduction in flowering plants  2. human reproduction  3. reproductive health | Preparation of slide of collin germination .  Study TS testis , TS ovary and human blastule thru permanent slides. |
| JUNE | 4. laws of inheritance and variation | study monohybrid and dihybrid crosses of mendal using pea seeds. |
| JULY | 5. molecular basis of inheritance  6. evolution  7.Human health and diseases. | Isolate DNA from suitable plants material.  Study prepared pedigree charts for autosomal dominant, auto recessive, sex linked recessive,and blood groups. |
| AUGUST | 8.Human health and diseases.  9.Microbes and human welfare | Study causitive organism of amoeabiasis , ascariasis, malaria and dermatitis.  Discussion about useful organisms in daily life |
| SEPTEMBER | 10. applications of bio technology  11. ecological organisms and population | Discussion about r-DNA technology.  Prepare temporary mount of onion root tips to show mitosisis.  To study plant population by quadrate density method .  To study plant population frequency. |
| OCTOBER | 12. ecosystem  13. bio diversity and its conservation |  |
| NOVEMBER | Revision |  |
| DECEMBER | Revision |  |
| JANUARY | Revision |  |

**Note: For all Subjects REVISION & PREBOARD -1 & 2 Will Be Held In The Month Of December & January.**