



SARALA BIRLA PUBLIC SCHOOL



**Birla Knowledge City, Ranchi Purulia Highway
Village –Ara, P.O.- Mahilong
Ranchi – 835103, Jharkhand**

SYLLABUS

STD – XI (SCIENCE)

SESSION – 2024-25

Name: _____

UID No. : _____

Class and Section: _____

SUBJECT: ENGLISH (301)

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| Prescribed Books: | 1) | 1) Hornbill (English Text Book)-NCERT |
| | 2) | 2) Snapshots (English Supplementary Reader)-NCERT |
| Month | Total No. of periods | Lesson/Chapter |
| April | | Hornbill: The Portrait of a Lady (Prose) Writing: Poster Making Grammar: Sentence Reordering |
| May | | Hornbill: A Photograph (Poem) Writing: Speech Writing |
| June | | Hornbill: We're Not Afraid to Die...if We Can Be Together (Prose) The Laburnum Top (Poem) Snapshots: The Summer of the Beautiful White Horse (Prose) |
| July | | Hornbill: Discovering Tut: The Saga Continues (Prose); Snapshots: The Address (Prose) Note-making & Summary Writing |
| August | | Hornbill: The Voice of the Rain (Poem) Snapshots: Mother's Day (Play) Grammar: Gap-Filling (Tenses & Clauses) Writing: Advertisement |
| September | | Revision Half-Yearly Examination |
| October | | Hornbill: The Adventure (Prose) Childhood (Poem) Grammar: Transformation of Sentences |
| November | | Hornbill: Silk Road (Prose); Father to Son (Poem) Snapshots: Birth (Prose) Writing: Debate Writing |
| December | | Snapshots: The Tale of Melon City (Prose) Revision |
| January | | Revision |
| February | | Final Examination |
| Syllabus for Term Exams and Periodic Test | | |
| TERM-1 (Half Yearly) | | |
| Periodic Test | PT-1 Reading: Unseen Passage Hornbill: The Portrait of a Lady; A Photograph Writing: Poster Making, Speech Writing Grammar: Sentence Reordering | |
| | PT-2 Reading: Note-making and Summary Writing Hornbill: The Laburnum Top Snapshots: The Summer of the Beautiful White Horse Writing: Advertisement Grammar: Sentence Reordering | |
| TERM-2 (Annual) | | |
| Periodic Test | PT-3 Reading: Unseen Passage Hornbill: The Adventure, The Voice of the Rain (Poem) Writing: Advertisement Grammar: Gap Filling (Tenses & Clauses) | |

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| | PT-4 Reading: Note-making and Summary Writing, Hornbill: Father to Son Snapshots: Birth Writing: Debate Writing Grammar: Transformation of Sentences |
| | PT-5 <i>Entire syllabus</i> |
| Term 1 exam- Portion taught from April to August | |
| Term 2 exam- Complete syllabus | |
| Term 1 & Term 2 | |
| Distribution of Marks | |
| READING SKILLS- 26 Marks | |
| WRITING SKILLS & GRAMMAR- 23 Marks | |
| LITERATURE- 31 Marks | |
| ASL- 10 (5+5) Marks : Assessment of Listening skills- 5marks, Assessment of speaking skills- 5 Marks | |
| PROJECT WORK- 10 MARKS | |

SUBJECT: PHYSICS (042)

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| Prescribed Books: | 1) | NCERT Textbook (Part 1 & Part 2) |
| | 2) | NCERT Exemplar |
| | 3) | New Simplified Physics- S. L. ARORA (Reference book) |
| | 4) | Physics Practical Book – Arihant Publication |
| Month | Total No. of periods | Unit/Chapter |
| April | | Unit I : Physical world and measurement Ch 2 : Units and measurements Unit II: Kinematics Ch 3 : Motion in a straight line |
| May | | Ch 4 : Motion in a plane |
| June | | Unit III: Laws of Motion Ch 5 : Laws Of motion Unit IV: Work, Energy and Power Ch 6 : Work, Energy and Power |
| July & August | | Unit V : Motion of system of particles and Rigid body Ch 7 : System of particles and Rotational Motion Revision for Half Yearly Exam |
| September | | Revision + Half Yearly Exam |
| October | | Unit VI : Gravitation Chapter 8 :- Gravitation Unit VII : Properties of Bulk Matter Chapter 9 :- Mechanical Properties of Solids |
| November | | Unit VII: Properties of Bulk Matter Chapter 10 :- Mechanical Properties of Fluids Chapter 11:- Thermal properties of Matter Unit VIII: Thermodynamics Chapter 12:- Thermodynamics Unit IX: Behaviour of Perfect Gas and Kinetic Theory of Gases Chapter 13:- Behaviour of Perfect Gas and Kinetic Theory of Gases |
| December | | Unit X: Oscillations and Waves Chapter 14:- Oscillation (Contd.) Chapter 15:- Waves |

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| January | | Revision for Final Exam (Theory and Practical Exam) |
| February | | Final Exam |
| Syllabus for Term Exams and Periodic Test | | |
| TERM-1 | | |
| Periodic Test | | 1) Unit I – Physical World and Measurement Chapter 2- Units and Measurements Unit II- Kinematics Chapter 3- Motion in a Straight Line |
| | | 2) Unit II – Kinematics Chapter 3 – Vectors Chapter 4- Motion in a Plane Unit III – Laws of Motion Chapter 5- Laws of Motion (Excluding Friction) |
| TERM-2 (Annual) | | |
| Periodic Test | | 3) Unit V – Motion of System of Particles and Rigid Body Chapter 7 – System of Particles and Rotational Motion Unit VI – Chapter 8 - Gravitation |
| | | 4) Unit VII – Properties of Bulk Matter Chapter 9- Mechanical Properties of Solids Chapter 10 – Mechanical properties of Fluid Chapter 11 – Thermodynamics |
| Revision Test-5 | | RT-5 Complete Syllabus |
| Term 1 | | Unit I - Physical World and Measurements Chapter 2 - Units and Measurements |
| | | Unit II - Kinematics Chapter 3 - Motion in a Straight Line Chapter 4 - Motion in a Plane |
| | | Unit III - Laws of Motion Chapter 5 - Laws of Motion |
| | | Unit IV: Work, Energy and Power Ch 6 : Work, Energy and Power Unit V : Motion of system of particles and Rigid body Ch 7 : System of particles and Rotational Motion |
| Annual Exam | | Whole Syllabus |

SUBJECT: CHEMISTRY (043)

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| Prescribed Books: | 1) | NCERT Text Book (Part 1+ Part 2) |
| | 2) | NCERT Exemplar |
| | 3) | Chemistry Practical- Dinesh Publication (Lab Book) |
| | 4) | |
| Month | Total No. of periods | Lesson/Chapter |
| April | | Ch: 1-Some Basic Concepts of Chemistry |
| May | | Ch:2-Structure of Atom |
| June | | Ch:3- Classification of Elements and Periodicity in Properties |
| July | | Ch:4-Chemical Bonding and Molecular Structure |
| August | | Ch:5-Chemical Thermodynamics |
| September | | Revision & Half Yearly Exam |

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| October | | Ch:6- Equilibrium |
| November | | Ch:7- Redox Reactions Ch:8- Organic Chemistry: Some basic Principles and Techniques |
| December | | Ch:8- Organic Chemistry: Some basic Principles and Techniques Ch:-9- Hydrocarbons |
| January | | Chapterwise Revision |
| February | | REVISION / PRE – BOARD EXAM |
| March | | Final Exam (Board) |
| Syllabus for Term Exams and Periodic Test | | |
| TERM-1 | | |
| Periodic Test | | 1) Ch: 1-Some Basic Concepts of Chemistry |
| | | 2) Ch:2-Structure of Atom |
| Activities | | Volumetric Analysis |
| | | Content Based Experiment |
| | | Salt Analysis |
| | | Project Work |
| TERM-2 (Annual) | | |
| Periodic Test | | 3) Ch:5-Chemical Thermodynamics |
| | | 4) Ch:6- Equilibrium |
| | | 5) PT (RT)- Ch:7- Redox Reactions |
| | | Ch:8- Organic Chemistry: Some basic Principles and Techniques Ch:-9- Hydrocarbons |
| Activities | | Volumetric Analysis |
| | | Content Based Experiment |
| | | Salt Analysis |
| | | Project Work |
| Term 1 | | Ch: 1-Some Basic Concepts of Chemistry |
| | | Ch:2-Structure of Atom |
| | | Ch:3- Classification of Elements and Periodicity in Properties |
| | | Ch:4-Chemical Bonding and Molecular Structure |
| Annual Exam | | Complete Syllabus. |

SUBJECT: BIOLOGY (044)

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| Prescribed Books: | 1) | Textbook For Class XI(NCERT) |
| | 2) | Laboratory Manual In BIOLOGY |
| Month | Total No. of periods | Lesson/Chapter |
| April | 16 | -Unit 1:Diversity In The Living World Chapter 1:The Living World |
| May | 8 | Chapter 2:Biological Classification |
| June | 20 | Chapter 3: Plant Kingdom Chapter 4: Animal Kingdom Unit 2:Structural Organization in Plants And Animals Chapter 5: Morphology of Flowering Plants Chapter 6: Anatomy of flowering Plants |
| July | 22 | Chapter 7: Structural Organisation in Animals Unit 3: Cell: Structure and functions Chapter 8: Cell :The Unit Of Life |

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| August | 22 | Chapter 9: Biomolecules Chapter 10: Cell Cycle and Cell Division |
| September | | REVISION |
| | 24 | Term I Examination |
| October | 14 | Unit 4: Plant Physiology Chapter 11: Photosynthesis in Higher Plants Chapter 12: Respiration in Plants |
| November | 15 | Chapter 13: Plant Growth and Development Unit 5: Human Physiology Chapter 14: Breathing and Exchange of Gases Chapter 15: Body Fluids and Circulation |
| December | 21 | Chapter 16: Excretory Products and their Elimination Chapter 17: Locomotion and Movement Chapter 18: Neural Control and Coordination Chapter 19: Chemical Coordination and Integration |
| January | 15 | REVISION |

Syllabus for Term Exams and Periodic Test

TERM-1

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| Periodic Test | 1) PT-1: The Living World, Biological Classification, Plant Kingdom |
| | 2) PT-2: Morphology of Flowering Plants, Anatomy of Flowering Plants, Structural Organisation in Animals |

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| TERM 1 | Chapter 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ACTIVITIES (EXPERIMENTS): |
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| Activities | <ol style="list-style-type: none"> 1. Introduction 2. Use and Care of Microscope 3. Study of the Parts of a Compound Microscope 4. Study of Specimens and Identification with Reasons 5. Study of Characters of Animal Specimens and Identification 6. Study and Description of the Flowers 7. Preparation and Study of Transverse Sections of Monocot and Dicot Stems and Roots 8. Study of Osmosis 9. Study of Plasmolysis 10. Distribution of Stomata on the Two Surfaces of a Leaf |
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TERM-2 (Annual)

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| Periodic Test | PT-3: Photosynthesis in Higher Plants, Respiration in Plants |
| | PT-4: Plant Growth and Development, Breathing and Exchange of Gases and Body Fluids and Circulation. |

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| Activities | <ol style="list-style-type: none"> 1. Study of Mitosis in Onion Root Tip and Animal Cell 2. Rate of Transpiration 3. Test for Carbohydrates, Proteins and Fats and their Detection in Suitable Plant and Animal Materials 4. Paper Chromatography 5. Urine Test for the Presence of Urea, Sugar, Albumin and Bile Salts |
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| TERM 1: | Chapter 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. |
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| Annual Exam | Whole Book |
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SUBJECT: STANDARD MATHEMATICS (041)

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| Prescribed Books: | | NCERT NCERT EXEMPLAR |
| Month | | Topics/Lessons |

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| April | | Trigonometric Functions |
| May | | Complex numbers |
| June | | Sets Relation and Functions |
| July | | Linear Inequalities Sequence and Series |
| August | | Permutations and Combinations Revision for Half yearly exam |
| September | | Half yearly exam |
| October | | Binomial Theorem Straight Lines |
| November | | Conic Sections Three dimensional Geometry |
| December | | Limits and Derivatives Statistics |
| January | | Probability Revision for Final Exam |
| February | | Final Examination |
| March | | |

Syllabus for Term and Periodic Test

Term 1 (Half Yearly Exam)

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| Periodic Test-1 | Sets Complex numbers |
| Periodic Test-2 | Trigonometric functions Linear inequalities |
| Periodic Test-3 | Trigonometric functions, Sets, Complex Numbers, Linear Inequalities, Permutations and Combinations, Sequence and Series |
| Half Yearly Exam | Sets, Relation and functions, Trigonometric functions, Linear inequalities, Permutations and Combinations, Sequence and series, Complex Numbers |

Term 2 (Annual Exam)

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| Periodic Test-4 | Straight Lines Conic Sections |
| Periodic Test-5 | Limits and Derivatives Statistics |
| Annual Exam | Sets, Relations and Functions, Complex Numbers, Trigonometric Functions, Linear Inequalities, Sequence and Series, Permutations and Combinations, Binomial Theorems, Straight lines, Conic Sections, 3-D Geometry, Limits and Derivatives, Statistics, Probability |

SUBJECT: APPLIED MATHEMATICS (241)

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| Prescribed Books: | | NCERT NCERT EXEMPLAR |
| Month | | Topics/Lessons |
| April | | Indices and Logarithms Mensuration |
| May | | Quantitative Aptitude |
| June | | Numbers Sequence and Series |

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| July | | Permutations and Combinations Sets and Relations |
| August | | Functions Utility Bills Revision for Half yearly exam |
| September | | HALF YEARLY EXAM |
| October | | Straight Line Circle and Parabola |
| November | | Limits and Continuity Differentiation |
| December | | Probability Descriptive Statistics |
| January | | Compound Interest and Annuity Taxation Revision for Annual Exam |
| February | | ANNUAL EXAM |
| March | | |

Syllabus for Term and Periodic Test

Term 1 (Half Yearly Exam)

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| Periodic Test-1 | Indices and Logarithms Quantitative Aptitude Mensuration |
| Periodic Test-2 | Sequence and Series Permutations and Combinations |
| Periodic Test-3 | Sets and Relations, Functions, Sequence and Series Permutations and Combinations, |
| Half Yearly Exam | Numbers, Sets and Relations, Functions, Sequence and Series Permutations and Combinations, Indices and Logarithms Quantitative Aptitude, Mensuration |

Term 2 (Annual Exam)

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| Periodic Test-4 | Straight lines Circle and parabola |
| Periodic Test-5 | Limits and Derivatives Probability |
| Annual Exam | Whole syllabus |

SUBJECT: ECONOMICS (030)

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| Prescribed Books: | 1) | N.C.E.R.T | |
| | 2) | Sandeep Garg (Micro Economics + Statistics for Economics) | |
| MONTH | | LESSON/CHAPTER | |
| | | Micro Economics | Statistics |
| April | | Ch-1 Introduction of Micro Economics | Ch-1 Introduction to Statistics |
| May | | Ch-1 Introduction of Micro Economics (Contd...) | Ch-1 Introduction to Statistics (Contd...) |
| June | | Ch-2 Consumers Equilibrium | Ch-2 Meaning Scope and Importance of Statistics |
| July | | Ch-3 Demand | Ch-3 Collection of data |
| | | Ch-4 Elasticity of Demand | Ch-4 Organization of data Ch-5+6+7 Presentation of data |

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| August | | Ch-5 Production Function | Ch- 8+ 9 Measures of Central Tendency |
| September | | REVISION + HALF YEARLY | |
| October | | Ch- 6 Cost | Ch-10 Measures of Dispersion |
| | | Ch- 7 Revenue | |
| November | | Ch-8 Producer's Equilibrium | Ch-11 Measures of Correlation |
| | | Ch- 9 Supply | |
| December | | Ch- 10 Main Market Forms | Ch- 12 Index Numbers |
| January | | Ch-11 Price Determination | |
| February | | REVISION + Annual Exam | |
| March | | Final Exam | |
| Syllabus for Periodic Test | | | |
| PT-1 | | Ch-1 Introduction of Micro Economics | Ch-1 Introduction to Statistics |
| | | Ch-2 Consumers Equilibrium | Ch-2 Meaning Scope and Importance of Statistics |
| PT-2 | | Ch-3 Demand | Ch-9 Measures of Central Tendency |
| | | Ch-4 Elasticity of Demand | |
| | | Ch-5 Production Function | |
| HALF YEARLY | | | |
| PT-3 | | Ch-6 Cost | Ch -11 Measures of Correlation |
| | | Ch-7 Revenue | |
| | | Ch-8 Producer's Equilibrium | |
| PT-4 | | Ch-10 Main Market Forms | Ch-12 Index Numbers |
| | | Ch-11 Price Determination | |
| PT-5 (RT) | | Ch-2 Consumers Equilibrium Ch-3 Demand Ch-4 Elasticity of Demand Ch-8 Producer's Equilibrium Ch-9 Measures of Central Tendency Ch -11 Measures of Correlation | |
| Final Exam | | Complete Syllabus | |

SUBJECT: COMPUTER SCIENCE (083)

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| Prescribed Books | | Computer Science by Sumita Arora (Dhanpat Rai & Co.) Computer Science by Preeti Arora (Sultan Chand & Co.) |
| MONTHS | | LESSON/ CHAPTERS |
| April | | <u>Unit I: Computer Systems and Organisation</u> <ul style="list-style-type: none"> • Basic computer organisation: Description of a computer system and mobile system, CPU, memory, hard disk, I/O, battery. • Types of software: Application software, System software and Utility software. • Memory Units: bit, byte, MB, GB, TB, and PB. |
| May | | <ul style="list-style-type: none"> • Number System: numbers in base 2, 8, 16 and binary addition. • Encoding Schemes: ASCII, UTF8, UTF32, ISCII and Unicode. |
| June | | <ul style="list-style-type: none"> • Concept of Compiler and Interpreter • Operating System (OS) - need for an operating system, brief introduction to functions of OS, user interface • Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, Truth Tables and De Morgan's laws, Logic circuits |

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| July | | <p>Unit II: Computational Thinking and Programming - 1</p> <ul style="list-style-type: none"> • Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, Operators. • Comments: (Single line & Multiline/ Continuation statements), Clarity & Simplification of expression • Introduce the notion of a variable and methods to manipulate it (concept of L-value and R-value even if not taught explicitly). • Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence. • Operators & types: Binary operators-Arithmetic, Relational Operators, Logical Operators, Augmented Assignment Operators. |
| August | | <ul style="list-style-type: none"> • Execution of a program, errors- syntax error, run-time error and logical error. • Conditional statements: if, if-else, if-elif-else; simple programs:e.g.: absolute value, sort 3 numbers and divisibility of a number. • If else using logical operators • Notion of iterative computation and control flow: for(range(), len()), while, using flowcharts, suggested programs: calculation of simple and compound interests, finding the factorial of a positive number etc. |
| September | | <p>Revision and Half Yearly Exam</p> |
| October | | <ul style="list-style-type: none"> • Strings: Traversal, operations – concatenation, repetition, membership; functions/methods–len(), capitalize(), title(), upper(), lower(), count(), find(), index(), isalnum(), islower(), isupper(), isspace(), isalpha(), isdigit(), split(), partition(), strip(), lstrip(), rstrip(), replace(); String slicing. |
| November | | <ul style="list-style-type: none"> • Lists: Definition, Creation of a list, Traversal of a list. Operations on a list - concatenation, repetition, membership; functions/methods – len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(), max(), sum(); Lists Slicing; Nested lists; finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list. • Tuples: Definition, Creation of a Tuple, Traversal of a tuple. Operations on a tuple - concatenation, repetition, membership; functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); Nested tuple; Tuple slicing; finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple. • Dictionary: Definition, Creation, Accessing elements of a dictionary, add an item, modify an item in a dictionary; Traversal, functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted() copy(); Suggested programs : count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them. |
| December | | <ul style="list-style-type: none"> • Sorting algorithm: bubble and insertion sort; count the number of operations while sorting. • Introduction to Python modules: Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode). <p>Unit III: Society, Law and Ethics</p> <ul style="list-style-type: none"> • Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying. |

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| | | <ul style="list-style-type: none"> • Appropriate usage of social networks: spread of rumours, 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. • Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy. • Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000. • Technology and society: understanding of societal issues and cultural changes induced by technology. E-waste management: proper disposal of used electronic gadgets. |
| January | | Revision |
| Half Yearly | | Unit – 1 and Unit – 2 (till If else statement) |
| Annual Examination | | Entire Syllabus. Unit-1, 2 and 3 |
| Periodic Test 1 | | Unit – I, Unit – II (Basics of Python) |
| Periodic Test 2 | | Unit – II [Till – looping] |
| Periodic Test 3 | | <ul style="list-style-type: none"> • Strings: Traversal, operations – concatenation, repetition, membership; functions/methods–len(), capitalize(), title(), upper(), lower(), count(), find(), index(), isalnum(), islower(), isupper(), isspace(), isalpha(), isdigit(), split(), partition(), strip(), lstrip(), rstrip(), replace(); String slicing. |
| Periodic Test 4 | | • Tuples, Dictionary, Unit-III |

SUBJECT: INFORMATICS PRACTICES (065)

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| Prescribed Books: | 1. Informatics Practices by Sumita Arora (Dhanpat Rai & Co.) 2. Informatics Practices by Preeti Arora (Sultan Chand & Co.) |
| Month | Chapters / Topics |
| April | Unit 1: Introduction of Computer System Unit 2: Getting started with python |
| May | Unit 3: Python programming fundamentals <ul style="list-style-type: none"> • Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, Operators. • Comments: (Single line & Multiline/ Continuation statements), Clarity & Simplification of expression • Introduce the notion of a variable and methods to manipulate it (concept of L-value and R-value even if not taught explicitly). • Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence. • Operators & types: Binary operators-Arithmetic, Relational Operators, Logical Operators, Augmented Assignment Operators. |
| June | Python programming (Simple programming) |
| July | Unit 4: Conditional and looping statements Python Programming continued...(conditional statements and looping)) |
| August | Unit 5: Lists in Python |
| September | Unit 6: Dictionary Python Programming continued (list, dictionary) |
| October | Unit 7: Database concepts |

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| | Unit 8: Structured Query Language (SQL) |
| November | Database concepts and the Structured Query Language (Continued) |
| December | Unit 9: Introduction to the Emerging Trends |
| January | Revision |
| February | Annual Exam |
| March | -- |
| Syllabus for Term Exams and Periodic Test | |
| Periodic Test | PT-1: Introduction to Python Programming PT-2: Looping, Lists |
| Half Yearly | Introduction of Computer System, Introduction to Python Programming including List |
| Periodic Test | PT-3: List, Dictionaries, String Handling PT-4: Database Management (SQL) |
| Annual Exam | Complete Syllabus |

SUBJECT: PHYSICAL EDUCATION (048)

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| Prescribed Books | 1) | NCERT Testbook |
| | 2) | Health And Physical Education (Dr V K Sharma) |
| Month | Total No. of period | Lesson/Chapter |
| June | | Unit-I: Changing Trends & Career In Physical Education Unit-II: Olympism |
| July | | Unit-III: Yoga Unit-IV: Physical Education & Sports for CWSN |
| August | | Unit-V: Physical Fitness, Health and Wellness Unit-VI: Test, Measurement and Evaluation |
| September | | Revision +Half Yearly Exam |
| October | | Unit-VII: Fundamentals of Anatomy & Physiology in sports Unit-VIII: Fundamentals of Kinesiology and Biomechanics in Sports |
| November | | Unit-IX: Psychology and Sports |
| December | | Unit-X: Training and Doping in Sports |
| January | | Revision and Final Practical |
| February | | Revision and Annual Exam |
| March | | Annual Exam |
| Syllabus for Term Exams and Monthly Test | | |
| Term-1 | | |
| Periodic Test-1 | | Unit-I: Changing Trends & Career In Physical Education Unit-II: Olympism |
| Periodic Test—2 | | Unit-III: Yoga Unit-IV: Physical Education & Sports for CWSN |
| Half Yearly Exam | | Unit-I: Changing Trends & Career In Physical Education Unit-II: Olympism Unit-III: Yoga Unit-IV: Physical Education & Sports for CWSN Unit-V: Physical Fitness, Health and Wellness |

Term-2

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| Periodic Test-3 | Unit-VI: Test, Measurement and Evaluation Unit-VII: Fundamentals of Anatomy & Physiology in sports |
| Periodic Test-4 | Unit-VIII: Fundamentals of Kinesiology and Biomechanics in Sports Unit-IX: Psychology and Sports Unit-X: Training and Doping in Sports |
| Periodic Test-5 | Unit-III: Yoga Unit-VI: Test, Measurement and Evaluation |

SUBJECT: PAINTING (049)

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| Prescribed Books: | | |
| Month | | Topics/Lessons |
| April | | |
| May | | |
| June | | UNIT 1 -Fundamentals of visual Arts -Pre -historic rock paintings and art of Indus valley -An Introduction- -Period and location -Still life drawing -(copy) |
| July | | -WIZARD'S DANCE (painting) -BHIMBETHKA -An introduction -Art of Indus Valley(An introduction) -Still life drawing (copy) PT 1 EXAM |
| August | | UNIT 2 -Study of sculpture and Terracottas -Dancing girl(Mohanjo-daro) -Male Torso(Harappa) -Mother Goddess(Mohanjo-daro) -Bull,Decoration of earthen wares,Painted earthen ware. -Still life drawing (copy) PT 2 EXAM |
| September | | TERM 1 EXAM |
| October | | UNIT3 -Art during Mauryan, Sunga, Kushana, and Gupta period .Lion capital from Sarnath .(Mauryan period) -Chauri bearer from Diderganj(Mauryan period) -Seated Buddha from Katra tila -seated Buddha from Sarnath(Gupta) -Jain Tirthankara -still life(copy) PT 3 EXAM |
| NOVEMBER | | UNIT 4 -Introduction to Ajanta -Study of painting-Padmapani Bodhisattva (Ajanta cave number 1) UNIT 5 -Study of Temple sculpture- -Decent of Ganga -Ravana shaking Mount Kailash -Trimurtee |

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| | | Still life (copy) |
| December | | -Laxmi Narayana Kandriya Mahadeva Temple -Cymbal player Sun Temple -Mother and Child -Nataraj ,Devi Uma, -Artistic aspects of the Indo Islamic Architecture- -Qutab Minar,Taj Mahal, Gol Gumbaj. -Still life (Copy) PT 4 EXAM |
| January | | Portfolio making with 6 pencil shading still life painting. |
| February | | REVISION |
| March | | |
| Syllabus for Term and Periodic Test | | |
| Term 1 (Half Yearly Exam) | | |
| Periodic Test-1 | | UNIT 1 |
| Periodic Test-2 | | UNIT 2 |
| Half Yearly Exam | | UNIT 1,2 |
| Term 2 (Annual Exam) | | |
| Periodic Test-3 | | UNIT 3 |
| Periodic Test-4 | | UNIT 4 |
| Annual Exam | | UNIT 1,2,3,4 |

SUBJECT: HVM (034)

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| Prescribed books: | 1) | RAAG PARICHAY- PART 1& PART 2 |
| Month | Total No. of periods | Lesson/Chapter |
| April | | Practical - Raag Bihag drut khayal with few taans Taal- Teentaal Theory - Definition - nada, swar, Shruti, saptak, thaat, jati, lay, taal |
| May | | Practical - Raag Bihag continued Taal- Teentaal with laykari Theory - Margi and Deshi Sangeet, Raga |
| June | | Practical - Raag Bhimpalasi drut khayal with few taans Taal- Ektaal Theory - Brief study of Dhrupad, Khayal, Tarana |
| July | | Practical - Raag Bhimpalasi continued Taal- Ektaal with dugun teegun, chauguni Theory - Brief study of musical element in Natyashastra, Life sketch of Miyan Tansen. |
| August | | Practical - Revision of both the ragas (Bihag and Bhimpalasi) Taal- Revision of both the taal with hand movements Theory - Revision |
| September | | TERM-1 Half yearly exam |
| October | | Practical - Raag Bhairavi drut khayal with few taans Taal- Chartaal Theory - Knowledge and structure of Tanpura; Gharana |
| November | | Practical - Raag Bhairavi continued Taal- Chaartal with laykari Theory - Life sketch of PT. Vishnu Narayan Bhatkhande |
| December | | Practical - Devotional song |

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| | | Taal- Ektaal, Chartaal with hand movements Theory - Life sketch of Vishnu Digambar |
| January | | Practical - Revision of ragas Taal- Revision of taal Theory - Revision |
| February | | TERM 2 Final Exam |

