

NISCORT FATHER AGNEL SCHOOL

SESSION 24-25

ANNUAL EXAM SYLLABUS (IX & XI)

ANNUAL EXAM SYLLABUS (IX)

SUBJECTS	CLASS IX
ENGLISH	<p>READING</p> <p>Comprehension passages - Discursive and Case Based</p> <p>WRITING</p> <p>Descriptive Paragraph (Describing a person/ event/ situation.) Writing a Story (on a given cue/ title) Diary Entry</p> <p>GRAMMAR -Integrated Pattern</p> <p>LITERATURE</p> <p>Beehive-Prose</p> <ol style="list-style-type: none">1. The Fun They Had2. The Sound of Music3. The Little Girl4. A Truly Beautiful Mind5. The Snake and the Mirror6. My Childhood7. Reach For The Top8. Kathmandu9. If I were You <p>Poems</p> <ol style="list-style-type: none">1. The Road Not taken2. Wind3. Rain on The Roof4. The Lake Isle of Innisfree5. A Legend of The Northland6. No Men Are Foreign7. On killing a tree8. A Slumber Did My Spirit Seal <p>Supplementary Reader-Moments</p> <ol style="list-style-type: none">1. The Lost Child

	<ul style="list-style-type: none"> 2. The adventures of Toto 3. Iswaran the Storyteller 4. In the kingdom of fools 5. The Happy Prince 6. The Last Leaf 7. A House is not a Home 8. The Beggar
MATHEMATICS	<ul style="list-style-type: none"> Chapter 1: Number systems Chapter 2: Polynomials Chapter 3: Coordinate geometry Chapter 4: Linear equations in two variables Chapter 5: Introduction to Euclid's geometry Chapter 6: Lines and angles Chapter 7: Triangles Chapter 8: Quadrilaterals Chapter 9: Circle Chapter 10: Heron's formula Chapter 11: Surface areas and volumes Chapter 12: Statistics
SCIENCE	<p><u>Biology:</u></p> <ul style="list-style-type: none"> Chapter : The Fundamental Unit of Life Chapter : Tissues Chapter : Improvement in Food Resources <p><u>Chemistry:</u></p> <ul style="list-style-type: none"> Chapter : Matter in Our Surroundings Chapter : Is Matter Around Us Pure Chapter : Atoms and molecules Chapter : Structure of the atom <u>Balancing of chemical equations</u> <p><u>Physics:</u></p> <ul style="list-style-type: none"> Chapter : Motion Chapter : Force and Laws of Motion Chapter : Gravitation Chapter : Work and Energy Chapter : Sound
SOCIAL SCIENCE	<p>Geography</p> <ul style="list-style-type: none"> Ch. 1 India:Size & Location Ch. 2 Physical features of India

	<p>Ch. 3 Drainage Ch. 4 Climate Ch. 5 Natural Vegetation and Wildlife (Map work only) Ch. 6 Population</p> <p>Economics Ch. 2 People as resource Ch. 3 Poverty Ch. 4 Food Security in India</p> <p>History Ch- The French Revolution Ch- Socialism in Europe and the Russian Revolution Ch- Nazism and the Rise of Hitler</p> <p>Civics Ch- What is Democracy? Why Democracy Ch- Constitutional Design Ch- Electoral Politics Ch- Working of Institutions Ch- Democratic Rights</p>
HINDI	<p>अपठित गद्यांश</p> <p>पाठ-वैज्ञानिक चेतना के वाहक - चंद्रशेखर वेंकटरमन, शक्रतारे के समान, दुख का अधिकार, एवरेस्ट मेरी शिखर यात्रा, तुम कब जाओगे अतिथि</p> <p>कविता गीत अगीत, अग्निपथ, नए इलाके में, खुशबू रचते हैं हाथ, रैदास के पद, रहीम के दोहे</p> <p>संचयन - मेरा छोटा सा निजी पुस्तकालय, कल्लू कुम्हार की उनाकोटी, गिल्लू, स्मृति</p> <p>व्याकरण - शब्द और पद, अनुस्वार एवं अनुनासिक, उपसर्ग, प्रत्यय, स्वर संधि, विराम चिह्न, अर्थ की दृष्टि से वाक्य के भेद</p> <p>लेखन - अनुच्छेद लेखन, अनौपचारिक पत्र, चित्र वर्णन, संवाद लेखन।</p> <p>(वार्षिक परीक्षा हेतु सम्पूर्ण पाठ्यक्रम)</p>
FRENCH	<p>A) Reading Section: 10 marks One unseen prose passage (factual/descriptive) (150 words) (with a picture/diagrammatically represented data)</p> <p>B) Writing Section: 20 marks One long composition (Informal letter) 80 words Two short compositions -: (recipe/ message/ postcard/ description of a person with visual input and clues) (30-35 words)</p> <p>C) Grammar Section: 30 marks</p>

	<p>Demonstrative adjectives, verbs (présent, futur proche, futur simple, pronominal verbs, passé composé, impératif, imparfait), question formation (excluding interrogative adjectives and pronouns), negatives, personal pronouns, simple relative pronouns.</p> <p>D) Culture and Civilisation: 20 marks Question based on the textbook: a) Short answer questions 5 x 2 10 marks b) MCQ (True or false/match the following/ 10 marks</p> <p>fill in the blanks) (Any 2)</p> <ol style="list-style-type: none"> 1. L. 1 – La famille 2. L. 2 – Au lycée 3. L. 3 – Une journée de Pauline 4. L. 4 – Les saisons 5. L. 5 – Les voyages 6. L. 6 - Les loisirs et les sports 7. L. 7 – L'argent de poche 8. L. 8 – Faire des achats
IT	<p>Unit 1: Introduction to IT- ITeS industry Unit 3: Digital Documentation Unit 4:Electronic Spreadsheet Unit 5: Digital Presentation</p>

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ANNUAL EXAM SYLLABUS (XI)

ENGLISH	<p>READING</p> <ol style="list-style-type: none">1. Comprehension of unseen passage2. Note making <p>WRITING</p> <ol style="list-style-type: none">1. Poster making2. Speech3. Classified advertisement4. Debate <p>GRAMMAR</p> <p>Integrated grammar</p> <p>LITERATURE</p> <p>HORNBILL</p> <p>Prose:</p> <ol style="list-style-type: none">1. The Portrait of a Lady2. We're Not Afraid to Die3. Discovering Tut4. The Adventure5. Silk Road <p>Poem:</p> <ol style="list-style-type: none">1. A Photograph2. Laburnum Top3. Voice of the Rain4. Childhood5. Father to Son <p>SNAPSHOTS</p> <ol style="list-style-type: none">1. The Summer of the Beautiful White Horse.2. The Address3. Mother's day4. Birth5. The Tale of Melon City
MATHEMATICS	<p><i>Unit-I: Sets and Functions</i></p> <ol style="list-style-type: none">1. Sets2. Relations & Functions3. Trigonometric Functions <p><i>Unit-II: Algebra</i></p> <ol style="list-style-type: none">1. Complex Numbers and Quadratic Equations

	<p>2. Linear Inequalities 3. Permutations and Combinations 4. Binomial Theorem 5. Sequence and Series <i>Unit-III: Coordinate Geometry</i> 1. Straight Lines 2. Conic Sections 3. Introduction to Three-dimensional Geometry <i>Unit-IV: Calculus</i> 1. Limits and Derivatives <i>Unit-V Statistics and Probability</i> 1. Statistics 2. Probability</p>
CHEMISTRY	<p>1. Some Basic Concepts of Chemistry 2. Structure of Atom 3. Classification of Elements and Periodicity in Properties 4. Chemical Bonding and Molecular Structure 5. Chemical Thermodynamics 6. Equilibrium 7. Redox Reactions 8. Organic Chemistry: Some basic Principles 9 Hydrocarbons</p>
PHYSICS	<p>Unit-I Physical World and Measurement 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 Chapter-6: Work, Energy and Power Unit-V Motion of System of Particles and Rigid Body Chapter-7: System of Particles and Rotational Motion Unit-VI Gravitation Chapter-8: Gravitation Unit-VII Properties of Bulk Matter Chapter-9: Mechanical Properties of Solids Chapter-10: Mechanical Properties of Fluids Chapter-11: Thermal Properties of Matter Unit-VIII Thermodynamics Chapter-12: Thermodynamics Unit-IX Behaviour of Perfect Gases and Kinetic Theory of Gases Chapter-13: Kinetic Theory</p>

	<p>Unit–X Oscillations and Waves Chapter–14: Oscillations Chapter–15: Waves</p>
BIOLOGY	<p>Unit-I Diversity of Living Organisms Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom</p> <p>Unit-II Structural Organization in Plants and Animals Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals</p> <p>Unit-III Cell: Structure and Function Chapter-8: Cell-The Unit of Life Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division</p> <p>Unit-IV Plant Physiology Chapter-13: Photosynthesis in Higher Plants Chapter-14: Respiration in Plants Chapter-15: Plant - Growth and Development</p> <p>Unit-V Human Physiology Chapter-17: Breathing and Exchange of Gases Chapter-18: Body Fluids and Circulation Chapter-19: Excretory Products and their Elimination Chapter-20: Locomotion and Movement Chapter-21: Neural Control and Coordination Chapter-22: Chemical Coordination and Integration</p>
PSYCHOLOGY	<p>Units:</p> <p>I What is Psychology?</p> <p>II Methods of Enquiry in Psychology</p> <p>IV Human Development</p> <p>V Sensory, Attentional and Perceptual Processes</p> <p>VI Learning</p> <p>VII Human Memory</p> <p>VIII Thinking</p>

	IX Motivation and Emotion
PAINTING	<ul style="list-style-type: none"> ● Rajasthani School of Painting ● Pahari School of Painting ● Mughal School of Painting ● Deccan School of Painting
COMPUTER SCIENCE	<p>Unit II: Computational Thinking and Programming - I</p> <ul style="list-style-type: none"> ● Familiarization with the basics of Python programming: execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments ● Knowledge of data types: Number(integer, floating point,complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types. ● Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in) ● Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output. ● Errors- syntax errors, logical errors, and run-time errors ● Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow ● Conditional statements: if, if-else, if-elif-else ● Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops <p>Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(),rstrip(), strip(), replace(), join(), partition(), split()</p> <ul style="list-style-type: none"> ● Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists ● Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple ● Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(),

	<p>values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted());</p> <ul style="list-style-type: none"> • Introduction to Python modules: Importing module using 'import ' and using from statement, 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:</p> <p>Society, Law and Ethics</p> <ul style="list-style-type: none"> • Digital Society and Netizen: net etiquettes, communication etiquettes • Data Protection: Intellectual property rights (copyright, patent, trademark) • Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying • Cyber safety: safely browsing the web, identity protection, confidentiality • Malware: viruses, trojans, adware
INFORMATIC PRACTICES	<p>Unit 2: Introduction to Python</p> <p>Basics of Python programming, execution modes: - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operator, precedence of operators, data types, mutable and immutable data types, statements, expression evaluation. comments, input and output statements, data type conversion, debugging. Control Statements: if-else, if-elif-else, while loop, for loop Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum() Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del, clear()</p> <p>Unit 3: Database concepts and the Structured Query Language</p> <p>Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE, UPDATE</p> <p>Unit 4: Introduction to the Emerging Trends</p> <p>Artificial Intelligence, Machine Learning, Natural Language Processing, Internet of Things (IoT), Cloud Computing</p>
ECONOMICS	<u>Micro Economics:</u>

	Unit 1 Introduction Unit 2 Consumer Behaviour and Demand Unit 3 Producer Behaviour and Supply Unit 4 Main Market Forms and Price Determination <u>Statistics for Economics:</u> Unit 1 Introduction Unit 2 Collection of Data Unit 3 Organisation of Data Unit 4 Presentation of Data Unit 5 Measures of Central Tendency Unit 6 Measures of Correlation Unit 7 Index Numbers
BUSINESS STUDIES	Ch. 1 Evolution and Nature of Business Ch. 2 Forms of Business Organisation Ch. 3 Public, Private and Global Enterprises Ch. 4 Business Services Ch. 5 Emerging modes of Business Ch. 6 Social Responsibility of Business & Business Ethics Ch. 7 Sources of Business Finance Ch. 8 Small Business & Entrepreneurship Development Ch. 9 Internal Trade Ch. 10 International Business
ACCOUNTANCY	Chapter 1 Introduction to Accounting Chapter 2 Basic Accounting Terms Chapter 3 Theory base of Accounting, Accounting standards Chapter 4 Basis of Accounting Chapter 5 Accounting Equation Chapter 6 Rules of Debit and credit Chapter 7 Vouchers Chapter 8 Journal Chapter 9 Ledger Chapter 10 Special Purpose Books- Cash book Chapter 11 Special Purpose Books- Other books Chapter 12 GST Chapter 13 Bank Reconciliation Statement Chapter 14 Trial Balance Chapter 15 Depreciation Chapter 16 Provision and Reserves Chapter 17 Rectification of errors Chapter 18 Financial Statements I (without adjustments) Chapter 19 Financial Statements II (with adjustments) Chapter 20 Accounting for Incomplete records- single entry
HISTORY	Ch- Writing and City Life

	<p>Ch- An Empire Across Three Continents</p> <p>Ch- The Three Orders</p> <p>Ch- Changing Cultural Traditions</p> <p>Ch- Displacing Indigenous Peoples</p> <p>Ch- Paths to Modernisation</p>
POLITICAL SCIENCE	<ol style="list-style-type: none"> 1. Constitution why and how 2. Fundamental rights 3. Election and representation 4. Legislature 5. Executive 6. Judiciary 7. Federalism 8. Local government 9. Constitution as a living document 10. The philosophy of Indian Constitution 11. Political theory an introduction 12. Freedom 13. Equality 14. Social justice 15. Rights 16. Citizenship 17. Nationalism 18. Secularism
HOME SCIENCE	<p>Chapter 6- Early Childhood Care and Education</p> <p>Chapter 7- Management of Support Services, Institutions and Programs for Children, Youth and Elderly</p> <p>Chapter 8- Design for Fabric and Apparel</p> <p>Chapter 9- Fashion Design and Merchandising</p> <p>Chapter 10- Care and Maintenance of Fabrics in Institution</p>
DESIGNING	<p>DESIGN SKILL-</p> <ul style="list-style-type: none"> ● Unit 1- Introduction to Design ● Unit 2- Design Tools & Techniques <p>EMPLOYABILITY-</p> <ul style="list-style-type: none"> ● Unit 1- Communication Skills ● Unit 2- Self management Skills ● Unit 3- ICT Skills
PHYSICAL EDUCATION	<ul style="list-style-type: none"> ● Unit 1- Changing Trends and Careers in Physical Education ● Unit 2- Olympism Value Education ● Unit 3 - Yoga ● Unit 4 - Physical Education and Sports for Children With Special Needs ● Unit 5 - Physical Fitness Wellness and Lifestyle

	<ul style="list-style-type: none">● Unit 6 - Test, Measurement and Evaluation● Unit 7 - Fundamentals of Anatomy and Physiology in Sports● Unit 8 - Fundamentals of kinesiology and Biomechanics in Sports● Unit 9 - Psychology and Sports● Unit 10 - Training and Doping in Sports
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