

St. Stephen's Senior Secondary School, Ajmer
Syllabus for Annual Examination-2023-24
Class XI – Science/Commerce/Arts

Subject	Syllabus for Annual Examination-2024
English	<p>Reading Section: (1) Unseen Comprehension, (2) Case study based Comprehension, (3) Note making, Summary writing</p> <p>Grammar and Writing Section: (1) Gap Filling, (2) Reordering of sentences (3) Advertisements, (4) Poster Making, (5) Speech, (6) Debate</p> <p>Literature Section: Hornbill -</p> <ul style="list-style-type: none"> (1) The Portrait of a Lady (2) We're Not Afraid To Die.... (3) Discovering Tut... (4) The Adventure (5) Silk Road <p>Poems</p> <ul style="list-style-type: none"> (1) A Photograph (2) The Laburnum Top (3) The Voice of the Rain (4) Childhood (5) Father to Son <p>Snapshots-</p> <ul style="list-style-type: none"> (1) The Summer of the Beautiful White Horse (2) The Address (3) Mother's Day (4) Birth (5) The Tale of Melon City
History	<p>Ch-2 Writing and city life</p> <p>Ch-3 An empire across three continents</p> <p>Ch-5 Nomadic empire</p> <p>Ch 6-The three orders</p> <p>Ch-7 Changing cultural traditions</p> <p>Ch-10-Displacing indigenous people</p> <p>Ch-11 Paths to modernization</p> <p>Maps related to the chapters.</p>
Informatics Practices (IP)	<p>11 Informatics Practices (IP)</p> <p>Unit 2: Introduction to Python</p> <ul style="list-style-type: none"> Ch 2 : Getting Started with Python Ch 3 : Python Fundamentals Ch 4 : Data Handling Ch 5 : Flow of Control Ch 6 : List Manipulation Ch 7 : Dictionaries <p>Unit 3: Database concepts and the Structured Query Language</p> <ul style="list-style-type: none"> Ch 8 : Database Concepts Ch 9 : Simple Queries in SQL <p>Unit 4: Introduction to Emerging Trends</p> <ul style="list-style-type: none"> Ch 10: Emerging Trends
Computer Science	<p>Unit II: Computational Thinking and Programming – 1</p> <ul style="list-style-type: none"> Ch 5 : Getting Started with Python Ch 6 : Python Fundamentals Ch 7 : Data Handling Ch 8 : Flow of Control Ch 9 : String Manipulation

	Ch 10: List Manipulation Ch 11: Tuples Ch 12: Dictionaries Unit III: Society, Law, and Ethics Ch 14: Cyber Safety Ch 15: Online Access and Computer Security Ch 16: Society, Law and Ethics
Biology	Ch. Biomolecules Ch. Cell Cycle and Cell Division Ch. Photosynthesis in Higher Plants Ch. Respiration in Plants Ch. Plant - Growth and Development Ch. Breathing and Exchange of Gases Ch. Body Fluids and Circulation Ch. Excretory Products and their Elimination Ch. Locomotion and Movement Ch. Neural Control and Coordination Ch. Chemical Coordination and Integration
Chemistry	Unit 1 Some Basic Concepts of Chemistry. Unit 2 Structure of Atom. Unit 3 Classification of Elements and Periodicity in Properties Unit 4 Chemical Bonding and Molecular Structure. Unit 5 Chemical Thermodynamics. Unit 6 Equilibrium. Unit 7 Redox Reactions. Unit 8 Organic Chemistry: Some basic Principles and Techniques. Unit 9 Hydrocarbons.
Physics	Unit I: 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: Behavior of Perfect Gases and Kinetic Theory of Gases Chapter–13: Kinetic Theory Unit X: Oscillations and Waves Chapter–14: Oscillations Chapter–15: Waves
Maths	<u>MATHEMATICS</u> 1. Sets 2. Relations and Functions 3. Trigonometric Functions 4. Complex Numbers and Quadratic Equations 5. Linear Inequalities 6. Permutations and Combinations

	7. Binomial Theorem 8. Sequence and Series 9. Straight Lines 10. Conic Sections 11. Introduction to Three-dimensional Geometry 12. Limits and Derivatives 13. Statistics 14. Probability
<u>APPLIED MATHEMATICS</u>	SET, Relations ,Sequences and Series , Permutations and Combinations , Calculus, Probability, Descriptive, Statistics, Financial Mathematics, Coordinate Geometry, Averages,Time, Work and Distance , Indices, Logarithm and Antilogarithm
Accountancy	Ch.1. Introduction to Accounting. Ch.2. Basic Accounting terms. Ch.3. Theory Base of accounting.- Accounting Principles Ch.4. Bases of Accounting Cash Basis & Accrual Basis. Ch.5. Accounting Equation Ch.6. Accounting Procedures - Rules of Debit & Credit. Ch.8. Journal Ch.9. Ledger Ch.10. Special Purpose Book I - Cash - Book Ch.11. Special Purpose Book II - Other Books Ch.12. Accounting of Goods and Services Tax (GST) Ch.13. Bank Reconciliation Statement Ch.14. Trial Balance Ch.15. Depreciation Ch.16. Provisions and Reserves Ch.17. Rectification of Errors Ch.18. Financial Statements of Sole Proprietorship Ch.19. Adjustments in Preparation of Financial Statements.
Economics	<u>Statistics for Economics</u> Chapter 1: Introduction Chapter 2, 3: Collection of Data Chapter 9 : Measures of Central Tendency- Arithmetic Mean Chapter 10 : Measures of Central Tendency- Median, Mode Chapter 11: Correlation Chapter 12 : Index Numbers <u>Micro Economics</u> Unit 1: Introduction / Central Problems of an Economy Unit 2: Consumer Behaviour and Demand Unit 3: Producer Behaviour and Supply Unit 4: Forms of Market and Price Determination under perfect competition with simple applications
Physical Education	Unit 1. Changing Trends & Career in Physical Education. Unit 2. Olympism Unit 3. Yoga Unit 4. Physical education & Sports for CWSN. Unit 5. Physical Fitness, Health and wellness. Unit 6. Physical Activity & Leadership Training. Unit 7. Test, Measurements & Evaluation. Unit 8. Fundamentals of Anatomy, Physiology & Kinesiology in Sports Unit 9. Psychology and Sports. Unit 10. Training & Doping in Sports.

Business Studies	Ch 1 Evolution and Fundamental of Business Ch2 Forms of Business Ch3 Private, Public and Global Enterprises Ch4 Business service Ch 5 Emerging Modes of Business Ch6 Social Responsibility of Business and Business Ethics Ch 7 Sources of Business Finance Ch8 Small Business and Enterprises Ch9 Internal Trade Ch10 International Business
Political Science	<u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch 1 Constitution: Why and How? Ch 2 Rights in the Indian Constitution Ch 3 Election and Representation Ch 4 Executive Ch 5 Legislature Ch 6 Judiciary Ch 7 Federalism Ch 8 Local Governments Ch 9 Constitution as a Living Document Ch 10 The Philosophy of the Constitution <u>PART B-POLITICAL THEORY</u> Ch 1 Political Theory: An Introduction Ch 2 Freedom Ch 3 Equality Ch 4 Social Justice Ch 5 Rights Ch 6 Citizenship Ch 7 Nationalism Ch 8 Secularism
Fine Arts	<u>Unit - 1</u> Pre - historic Rock Painting and Art of Indus Valley (2500 B.C.to 1500 B.C) * Introduction * Study of Art work * Study of seal * Decoration on the *Earthenware <u>Unit - 2</u> Buddhist, Jain and Hindu Art (3rd century B.C.to 8th century A.D.) * General Introduction to art during Mauryan,Shungga,Kushana and Gupta period * Study of Sculptures * Introduction to Ajanta <u>Unit - 3</u> Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture * Artistic aspects of Indian Temple Sculpture * Bronzes * Artistic aspects of Indo-Islamic Architecture
Geography	<u>PART A - Fundamentals of Physical Geography</u> Ch.1. Geography as a Discipline Ch.2. The Origin and Evolution of the Earth Ch.3. Interior of the Earth Ch.4. Distribution of Oceans and Continents (Map work) Ch.5. Geomorphic Processes Ch.6. Landforms and their evolution Ch.7. Composition and Structure of Atmosphere Ch.8. Solar Radiation, Heat Balance and Temperature Ch.9. Atmospheric Circulation and Weather Systems (Map work)

	<p>Ch.10. Water in the atmosphere Ch.11. Water (Oceans) (Map work) Ch.12. Movements of Ocean Water</p>
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PART B – India Geography

	<p>Ch.1. India – Location (Map work) Ch.2. Structure and Physiography (Map work) Ch.3. Drainage System (Map work) Ch.4. Climate (Map work) Ch.5. Natural Vegetation (Map work)</p>
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