

St. Stephen's Senior Secondary School, Ajmer
Syllabus for Annual Examination, 2024-25
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) Classified Advertisements, (4) Poster Making, (5) Speech, (6) Debate</p> <p>Literature Section: Hornbill - (1) The Portrait of a Lady (2) We're Not Afraid To Die....If We Can All Be Together (3) Discovering Tut: The Saga Continues (4) The Adventure (5) Silk Road</p> <p>Poems (1) A Photograph (2) The Laburnum Top (3) The Voice of the Rain (4) Childhood (5) Father to Son</p> <p>Snapshots (1) The Summer of the Beautiful White Horse (2) The Address (3) Mother's Day (4) Birth (5) The Tale of Melon City</p>
History	<p>Ch-2 Writing and city life Ch-3 An empire across three continents Ch-5 Nomadic empire Ch-6 The three orders Ch-7 Changing cultural traditions Ch-10 Displacing indigenous people Ch-11 Paths to modernization Maps related to the chapters.</p>
Informatics Practices (IP)	<p>Unit 2: Introduction to Python 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> <p>Unit 3: Database concepts and the Structured Query Language Ch 8 : Database Concepts Ch 9 : Simple Queries in SQL</p>

Artificial Intelligence (AI)	<p>Part A: Unit 1 - Communication Skills – III Unit 2 - Self Management Skills-III Unit 3 - ICT Skills Unit 4 - Entrepreneurial Skills Unit 5 - Green Skills</p> <p>Part B: Unit 1 - Introduction: Artificial Intelligence for Everyone Unit 2 - Unlocking your Future in AI Unit 3 - Python Programming Unit 4- Introduction to Capstone Project Unit 5 - Data Literacy – Data Collection to Data Analysis Unit 6 - Machine Learning Algorithms Unit 7 - Leveraging Linguistics and Computer Science Unit 8 AI Ethics and Values</p>
Computer Science	<p>Unit II: Computational Thinking and Programming – 1 Ch 5 : Getting Started with Python Ch 6 : Python Fundamentals Ch 7 : Data Handling Ch 8 : Introduction to Python modules Ch 9 : Flow of Control Ch 10: String Manipulation Ch 11: List Manipulation Ch 12: Tuples Ch 13: Dictionaries</p> <p>Unit III: Society, Law, and Ethics Ch 14: Cyber Safety Ch 15: Society, Law and Ethics</p>
Biology	<p>Chapter 1: The living world Chapter 2: Biological Classification Chapter 3: Plant Kingdom Chapter 4: Animal Kingdom Chapter 5: Morphology of flowering plants Chapter 6: Anatomy of flowering plants Chapter 7: Structural Organisation in Animals Chapter 8: Cell: The unit of life Chapter 9: Biomolecules Chapter 10: Cell cycle and Cell division Chapter 11: Photosynthesis in higher plants Chapter 12: Respiration in plants Chapter 13: Plant growth and development Chapter 14: Breathing and Exchange of gases Chapter 15: Body fluids and Circulation Chapter 16: Excretory products and their Elimination Chapter 17: Locomotion and movement Chapter 18: Neural control and Coordination Chapter 19: Chemical Coordination and Integration</p>
Chemistry	<p>Unit 1 Some Basic Concepts of Chemistry. Unit 2 Structure of Atom. Unit 3 Classification of Elements and Periodicity in Properties</p>

	<p>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.</p>
Physics	<p>Unit II Ch-3 Motion in a straight line, Ch-4 Motion in a Plane Unit III Ch-5 Laws Of Motion Unit IV Ch-6 Work, Energy and Power Unit V Ch-7 System Of Particles Unit VI Ch-8 Gravitation Unit VII Ch-9 Mechanical properties of solids, Ch-10 Mechanical properties of liquids, Ch-11 Thermal properties of matter Unit VIII Ch-12 Thermodynamics Unit X Ch-14 Oscillation, Ch-15 Waves (Only Transverse and longitudinal , Speed of wave motion , Displacement relation for a progressive waves.)</p>
Maths	<p><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</p>
Applied Mathematics	<p>1. Indices, Logarithm and Antilogarithm, Laws and properties of logarithms, Simple applications of logarithm and antilogarithm, Binary Numbers 2. Averages, Time, Work and Distance 3. Sets 4. Relations 5. Sequences and Series 6. Permutations and Combinations 7. Functions 8. Calculus Concepts of limits and continuity of a function, Differentiation as a process of Finding derivative, Derivatives of algebraic functions using Chain Rule 9. Probability 10. Descriptive Statistics 11. Financial Mathematics 12. Coordinate Geometry (Straight line, Circle)</p>
Accountancy	<p>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</p>

	<p>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.</p>
Economics	<p><u>Statistics for Economics</u> Chapter 1: Introduction Chapter 2 : Collection of Data- Primary and Secondary Data Chapter 3 : Collection of Data- Census and Sample Method Chapter 9 : Measures of Central Tendency- Arithmetic Mean Chapter 10 : Measures of Central Tendency- Median, Mode Chapter 11: Correlation Chapter 12 : Index Numbers</p> <p><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</p>
Physical Education	<p>Ch 1 : Changing Trends & Careers in Phy. Ed. Ch 2 : Olympism Value Education Ch 3 : Yoga Ch 4 : Phy. Ed. & Sports for Children with Special Needs Ch 5 : Physical Fitness, Wellness and Lifestyle Ch 6 : Test, Measurement and Evaluation Ch 7 : Fundamentals of Anatomy, Physiology in Sports Ch 8 : Fundamentals of Kinesiology & biomechanics in Sports Ch 9 : Psychology and Sports Ch 10: Training and Doping in Sports</p>
Business Studies	<p>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</p>
Political Science	<p><u>PART A- INDIAN CONSTITUTION AT WORK</u> Ch 1 Constitution: Why and How? Ch 2 Rights in the Indian Constitution</p>

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

