

ST. MARY'S CONVENT HIGH SCHOOL

Class – 10SYLLABUS [2024 – 2025]

➤ *Note: For Preliminary examinations, the entire syllabus will be included.*

English Language

UNIT TEST I-1.Letter Writing (Informal) 2. Grammar

HALF YEARLY-Total English (Practice Paper 1-8) , Composition, Comprehension, Letter Writing ,Notice and Email,Grammar.

Prelims- Total English (Practice Paper 9-15) , Composition, Comprehension, Letter Writing, Notice and Email, Grammar .

English Literature

Unit Test I1. Prose: With the Photographer 2. **Poetry** : Haunted House

Half Yearly1.Drama:Julius Caesar- Act III

TREASURE CHEST 2. Prose: a. With the Photographer b. The Elevatorc. The Girl Who Can

3. Poetry:a. Haunted Houseb. The Glove and the Lions

Prelims:Drama:JuliusCaesar: Act IV ,Act VTREASURE CHEST 2. **Prose:** a. The Pedestrian

b. The Last Lesson 2. **Poetry** :a. When Great Trees Fallb. A Considerable Speckc. The Power of Music

PHYSICS

Unit Test I-Force, work, energy and power.

Half yearly-Force ,work energy and power, machines. Refraction of light at plane surfaces, Refraction through a lens spectrum, Sound, ohm's law.

Prelims Entire syllabus of first term, Remaining part of current electricity, Household circuits, Electromagnetism. Calorimetry, Radioactivity.

CHEMISTRY

Unit Test 1 - Periodic Table - Periodic Properties & Variations of Properties; Chemical Bonding; Analytical Chemistry

Half Yearly- Periodic Table - Periodic Properties & Variations of Properties, Chemical Bonding; Analytical Chemistry Hydrogen Chloride, Ammonia, Nitric Acid, Sulphuric Acid

Prelims :Mole Concept and Stoichiometry, Electrolysis, Acids, Bases and Salts, Metallurgy, Organic Chemistry, Practical Chemistry + Half Yearly Syllabus

BIOLOGY

UnitTest I - Cell cycle and Cell division, Structure of Chromosomes, Genetics.

HalfYearly- Absorption by roots, Transpiration, Photosynthesis, Chemical coordination in Plants, Circulatory system (+) UNIT I Chapters.

Prelims: Excretory System, Nervous System, Sense Organs, Endocrine System, Reproductive system, Human Population, Human Evolution, Pollution (+) Half Yearly and Unit 1-Chapters.

MATHEMATICS

Unit Test I - • Linear Inequations • Quadratic Equations • Matrices

Half Yearly - Banking • Linear Inequations • Quadratic Equations • Ratio and proportion • Remainder and Factor Theorems • Matrices • Arithmetic Progression • Geometric Progression • Trigonometrical Identities • Heights and Distances • Section and Mid-Point Formula • Equation of a Line • Locus • Probability • Reflection

Prelims- Shares and Dividend • Cylinder and Cone • Similarity • Circles • Tangent to a Circle • Reflection • GST

• Graphical Representation (Histograms and Ogives) • Measures of Central Tendency (Mean, Median, Quartiles and Mode) • Probability. + (Chapters of First Term)

GEOGRAPHY

Unit Test I - Map Work, Interpretation of Topographical Maps-I, Interpretation of Topographical Maps-II, Climate of India, Waste Management-Impact of Waste Accumulation, Waste Generation and Management- Methods of safe disposal of waste

Half Yearly Examinations- Unit Test I + Map Work , Soil Resources in India, Natural Vegetation, Water Resources, Mineral and Energy Resources I, Mineral and Energy Resources II.

PRELIMS -Unit Test I+ Map Work+ Half Yearly, Agriculture in India-I : Introduction, Agriculture in India-II : Food Crops, Agriculture in India-III : Cash Crops, Manufacturing Industries in India-I: Agro-based, Manufacturing Industries in India-II: Mineral-based, Transport.

HINDI

Unit Test I- गद्य-HksM+svkSjHksfM+,] in~; &es?kvk, A O;kdj.k&leLrfganhO;kdj.k

Half Yearly- गद्य-HksM+svkSjHksfM+,] es?kvk,] cM+s ?kj dh csVh] HkhM+ esa [kks;kvkneh A in~; &ogtUeHkwfeesjhgs] es?kvk,] pyukgekjkdkesgS A व्याकरण-निबंध, पत्र लेखन औपचारिक पत्र, अनौपचारिक पत्र, पर्यायवाची शब्द, विलोम शब्द, विशेषण,भाववाचक संज्ञा, वचन, लिंग, तत्सम- तद्भव, वाक्यांश, मुहावरे, लोकोक्ति, शुद्ध- अशुद्ध, अपठित गद्यांश

Prelimsगद्य&lang] nksdykdj] in~; &ekr`Hkwfe dh vksj] LoxZcukldrsgSaO;kdj.k&leLrfganh O;kdj.krFkkiwoZorlaiw.kZikB~;Øe

COMPUTER APPLICATION

Unit Test-1: All Java Tokens, Conditional Statements, Loops, Mathematical Library Methods, Input in Java, Menu driven program, String class and its functions, Application of String class functions

Half Yearly :Entire class 9th syllabus, Menu driven programs, String class and its functions, Application of String class functions, Array, 1D and 2D Array application, Searching Technique (Linear and Binary), Sorting Technique (Bubble and Indexed Selection Sort), Introduction of User Defined Functions (Methods), Function Prototype, Function Signature, return statement, Function Overloading & Overriding, Call by Value, Call by Reference, Pure and Impure Functions.

Prelims : User Defined Class, Objects, this keyword, Constructor, Instance variable & Methods, Class (static) variable & Methods, Wrapper Class & its functions, Autoboxing& Unboxing in Wrapper Class, Access Specifiers, Visibility Modifiers, Scope & Visibility Rules, Introduction of Inheritance, OOPs Concept, Entire ISCE Computer Applications Syllabus.

ECONOMIC APPLICATIONS

Unit TestI- 1) Forms Of Market Structures 2) Land 3) Demand : Law Of Demand And Determinants Of Demand

Half Yearly - 1)Demand: Law Of Demand And Determinants Of Demand2)Supply : Law Of Supply and Determinants of Supply 3)Elasticity of Demand And Supply4)Factors of Production: Land and Labour5) Factors of Production: Capital And Entrepreneur6) Forms of Market Structures

Prelims- 1)Role Of State in Economic Development2) Public Sector Enterprises and Their Privatisation3)Money And Inflation, 4) Banking: Commercial Banks and Central Bank + All The Chapters Done During the Year

FASHION DESIGNING - Not decided due to unavailability of FD book

PHYSICAL EDUCATION

Unit Test I - Section 'A' – 1. Human growth and development 2. Physical Education 3. Body types

Section 'B' – 1. Badminton

Half Yearly Exam - Section 'A' - Physical fitness 2. Sports training 3. Safety in sports 4. Health education 5. Careers in Physical Education

Section 'B' – Volleyball 2. Football 3. Badminton

Prelims : - Section 'A': - Full Syllabus

ART

Unit Test I Still Life: 1. Chips Packet, bowl and glass 2. Ladies purse, umbrella and Goggles.

Nature: Carnation, Flux, Pansy, Zinnia.

HALF YEARLY- Still Life: 1. Books , Pen stand and Table lamp 2. kettle and Cup plate 3. Tiffin Box, Flower Vase with Flower and Water bottle.

Nature: Petunia, Money Plant, Rose, Yellow Oleander, Pink Oleander.

Prelims - Still Life: Cane basket with vegetables, Transparent Bowl with Fruits, Flask and Ladies Purse, bucket mug and brush.

Nature: Papaya, Ginger, Dahlia, Bougainvillea, Croton.

HISTORY AND CIVICS

Unit Test 1- 1. The First War of Independence 2. Factors leading to the Growth of Nationalism and Foundation of Congress

Half Yearly- CIVICS 1. The Union Parliament 2. The Union Executive: The President and the Vice President

HISTORY- 1. The First War of Independence 2. Factors leading to the Growth of Nationalism and Foundation of Indian National Congress 3. Objectives and Methods of Struggle of the Early Nationalists 4. Second Phase of the Indian National Movement: Partition of Bengal and other developments 5. Muslim League and its Objectives 6. National Movement during the First World War - Lucknow Pact and Other Developments 7. National Movement 1919-1934 (Non-Cooperation Movement, Civil, Disobedience Movement and Other Forces at work) 8. The Cripps Mission and the Quit India Movement 9. Subhash Chandra Bose, Forward Bloc and the Indian National Army (INA), 10. Independence and Partition of India

FINAL EXAMS

CIVICS - 1. The Union Executive: the Prime Minister, the Union Cabinet and the Council of Ministers 2. The Union Judiciary: The Supreme Court 3. The State Judiciary: The High Courts 4. The Subordinate Courts

HISTORY - 1. The First World War (1914-1918) 2. Rise of Dictatorships: Fascism in Italy and Nazism in Germany 3. The Second World War (1939-1945), 4. United Nations Organization: Origin, Objectives 5. Principal Agencies of the United Nations 6. The Non Aligned Movement Organs

PRELIMINARY EXAMS - Complete syllabus

VALUE EDUCATION

H. Yearly- Develop your personality, Mind your etiquette, Become a better speaker, Work on Interpersonal skills, Be a team player

Prelims- Cope with Competition, Manage Exam Anxiety, Don't Give Up, Never Stop Learning, Plan your future