

# ST. MARY'S CONVENT HIGH SCHOOL

## Class – 9 SYLLABUS [2024 – 2025]

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### ENGLISH LANGUAGE

**Unit Test I**- 1. Letter Writing ( Formal and Informal) 2. Grammar

**Half Yearly** Total English ( Practice Paper 1-8) Composition, Comprehension, Letter Writing, Notice and E-mail, Grammar.

**Unit Test II** - 1. Notice and E-mail 2. Grammar.

**Annual** - Total English ( Practice Paper 9-15) , Composition, Comprehension, Letter Writing, Notice and E- mail, Grammar.

### ENGLISH LITERATURE

**Unit Test I** - 1. Prose: BonkuBabu's Friend 2. Poem: The Night Mail

**Half Yearly Examination** - 1. Julius Caesar ( Act I Sc1, 2,3)

2. Prose: a. Oliver Asks for More b. The Model Millionaire c. BonkuBabu's Friend

3. Poem: a. Skimbleshanks: The Railway Cat b. I remember, I remember.

c. The Night Mail.

**Unit Test II** - 1. Prose: Home-coming 2. Poem: A Doctor's Journal Entry for August 6, 1945.

**Annual** - 1. Julius Caesar ( Act II Sc 1,2,3,4) 2. Prose: a. The Boy who Broke the Bank b. Homecoming

3. Poem: a. A Work of Artifice b. A Doctor's Journal Entry for August 6, 1945.

(including all the chapters of the Half Yearly Examination)

### PHYSICS

**UNIT 1** :- Measurements and Experimentation, Motion in One Dimension ( *Section 2A*)

**HALF YEARLY** :- Measurements and Experimentation, Motion in One Dimension, Laws of Motion, Heat and Energy, Reflection of Light, Propagation of Sound Waves (*Section 8A*)

**UNIT 2** :- Pressure in Fluids and Atmospheric Pressure, Upthrust in Fluids, Archimedes' Principle and Floatation

**FINAL TERM** :- Measurements and Experimentation, Motion in One Dimension, Laws of Motion, Pressure in Fluids and Atmospheric Pressure, Upthrust in Fluids, Archimedes' Principle and Floatation, Heat and Energy, Reflection of Light, Propagation of Sound Waves, Current Electricity, Magnetism.

### Practicals:-

- To verify the laws of reflection.
- To find out the diameter of a Spherical Bob using vernier calipers.
- To find out the diameter of a copper wire using screw gauge.
- To plot the magnetic lines of force for a bar magnet.
- To verify the proportionality between the time period of a simple pendulum and its length.

### CHEMISTRY

**Unit 1** - Chapter -1 The Language of Chemistry, Chapter- 8 Study of Gas Laws

**Half Yearly**- Chapter-1 The Language of Chemistry. Chapter-2 Chemical Changes and Reactions, Chapter-4 Atomic Structure, Chapter 8 Study of Gas Laws, Chapter-9 Atmospheric Pollution

**Unit 2** Chapter 5 Chemical Bonding. Chapter 6 The Periodic Table

**Annual** : Chapter-1 The Language of Chemistry. Chapter-2 Chemical Changes and Reactions, Chapter -3 Water. Chapter 4 Atomic Structure, Chapter 5 Chemical Bonding, Chapter 6 The Periodic Table, Chapter 7 Study of the First Element Hydrogen, Chapter-8 Study of Gas Laws, Chapter 9 Atmospheric Pollution

## **BIOLOGY**

**UNIT 1** - The cell, Tissue, The Flower.

**Half Yearly** - Pollination and Fertilization ,Structure and Germination of seeds, Respiration in Plants, Diversity in the Living organisms, Economic Importance of Bacteria and Fungi, Nutrition, Nutrition in Animals, The cell, The flower.

**Unit 2** - Digestive System of man, Movement and locomotion, The Respiratory system

**Annual** - Skin, Health & Hygiene, Aids to Health, Health organizations, sources of waste, waste management and Nutrition, Nutrition in Animals, Movement and locomotion + Unit 1, 2 and Half yearly syllabus.

## **MATHEMATICS**

**Unit Test I** - Rational and Irrational Numbers. , Expansions ,Factorisation , Simultaneous Linear Equations

**Half Yearly** - Rational and Irrational numbers. , Compound Interest (Without using formula) , Compound Interest (Using formula) , Expansions , Factorisation , Simultaneous Linear Equations, Indices, Logarithms , Co-ordinate , Geometry, Graphical Solutions, Distance Formula, Triangles

**Unit Test II** - Trigonometrical Ratios , Trigonometrical Ratios of standard Angles , Solution of Right Triangles Complementary angles, Pythagoras Theorem.

**Annual**- Isosceles Triangles, Mid-point and its Converse. Pythagoras Theorem, Rectilinear Figures, Construction of Polygons, Area Theorems, Circle, Area and Perimeter of Plane Figures, Solids, Trigonometrical Ratios, Trigonometrical Ratios of standard Angles, Solution of Right Triangles, Complementary Angles, Statistics, Mean and Median + (Chapters of First Term)

## **GEOGRAPHY**

**Unit Test I** -Pollution- Types and Sources,Effects of Pollution, Pollution-Preventive Measures

**Half Yearly**- Map Work, Earth as a planet, Latitudes and Longitudes, Rotation and Revolution, Earth's Structure, Volcanoes, Earthquakes, Natural Regions of the World- Equatorial region; Tropical Grasslands; Tropical Deserts

**Unit Test II** - Landforms of the Earth, Rocks and Rock Cycle

**Annual** - Map Work, Tides and Ocean Currents, Composition and Structure of the Atmosphere, Insolation, Atmospheric Pressure and Winds, Humidity, Natural Regions of the World- Tropical Monsoon; Mediterranean, Introduction to Toposheet (as taught in the class)

## **HINDI**

**Unit Test I**- गद्य- 1.बात अठनी कीपद्य- 2.साखीव्याकरण- पर्यायवाची,विलोम शब्द, भाववाचक संज्ञा, तत्सम- तद्भव, शुद्ध अशुद्ध शब्द

**Half Yearly**- गद्य-1.बात अठनी की 2.काकी 3.नेताजी का चश्मापद्य- 1.साखी 2.सूर के पद 3.गिरिधर की कुंडलियां 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

**Unit Test II** गद्य- 1.महायज्ञ का पुरस्कारपद्य- 2. विनय के पदव्याकरण-वाक्यांश, मुहावरे, भाववाचक संज्ञा, वचन, लिंग

**Annual**गद्य-1. महायज्ञ का पुरस्कार 2.अपना अपना भाग्य, पद्य-1. विनय के पद 2.भिक्षुक

व्याकरण- काल अर्थ व रचना के आधार पर वाक्य तथा पूर्ववत संपूर्ण पाठ्यक्रम(Term 1+Term 2)

## **COMPUTER APPLICATION**

**Unit Test I** : Ch-3 Values, Data Types and Errors, Ch-4 Operators and Expression in Java, Java Tokens

**Half Yearly**: Ch-1 Introduction of OOP concepts, Ch-2 Elementary concept of Object & classes, Ch-3 Values, Data Types and Errors, Ch-4 Operators and Expression in Java, Ch-8 Conditional constructs in Java.

**Unit Test II**: All Java Tokens, Ch-8 Conditional constructs in Java (Conditional Statements), Ch-9 Iterative constructs in Java

**Annual**: All Java Tokens, Data Types, Conditional Statements, Ch-9 Iterative constructs in Java, Ch-10 Nested Iteration in Java, Ch-7 Mathematical Library Methods, Ch-6 Input in Java, Types of error, Types of Comment, Ch-5 Classes and Methods, Program based on Series, Numbers, and Pattern based (Rectangular and Right Angled Triangle ONLY Patterns) programs, Programs based on Conditional Statements and Loops.

## **ECONOMIC APPLICATIONS**

**Unit Test I** Meaning and Definition of Economics; Basic Concepts of Economics

**Half Yearly** - Meaning and Definition of Economics; Basic Concepts of Economics; Economy & Economic Entities; Basic Problems & an Economy; The Nature and The Classification of An Economy; Solutions to The Basic Problems in Different Economies

**Unit Test II**The Nature of the Indian Economy; The Sectors of The Indian Economy

**Annual** -Impact of Agricultural and Industrial Practices on the ecosystem; Infrastructure of The Indian Economy; Social Infrastructure the Indian Economy; Consumer Awareness; Globalisation + All the chapters done during the year.

## **FASHION DESIGNING**

**First unit**- Textile fibres, Manufacturing of fabrics

**Half yearly**- textile fibre, Manufacturing of Fabrics, Finishes given to Fabrics, Types of Fabrics.

**Practical**- Needlework tools and processes, The parts of dress.

**Second unit**- Purchase of fabrics and estimation of quality, Selection and use of supplementary materials.

**Annual**- purchase of fabrics and estimation of quality, selection and use of supplementary materials, choice of clothes for an individual. **Practical**- making of dresses.

## **ART**

**Unit Test I**Still Life: 3D Shapes and Shade, fruits, vegetables. **Nature**: Pats of Flower, Sunflower.

**Half Yearly**Still Life: Book and Glass, kettle and Cup plate, Tiffin Box and Water bottle.

**Nature**:Sadabahar, Hibiscus, Money Plant.

**Unit Test II**Still Life: Apple, Book and Glass, Bowl and Container. **Nature**: Rose, Yellow Oleander, Pink Oleander.

**Annual** -Still Life: Flask and Ladies Purse, bucket, mug and brush. **Nature**: Onion, Tomato, Banana, Ginger.

## **VALUE EDUCATION**

**Half Yearly**Chapter 1-Keep Calm, Chapter 2-Draw the Line, Chapter 3-Manage Your Time, Chapter 4-Do Your Best, Chapter 5-Keep Your Word

**Annual Examinations**Chapter 6-End Conflicts, Chapter 7-Deal with Criticism, Chapter 8-Make Right Decisions,Chapter 9-The Making of A Leader, Chapter 10-Connect with the Community

## **History And Civics**

**UNIT TEST I** - 1)TheHarappan civilization ( History) 2) Our constitution (civics)

**Half Yearly : HISTORY** 1) The Harappan Civilisation 2) The Vedic Period 3) Jainism and Buddhism 4) The Mauryan Empire 5) The Sangam Age 6) The Age of Guptas 7) Medieval India – (A) The Cholas 8) The Modern Age in Europe – (A) Renaissance

**CIVICS:** 1) Our Constitution 2) Salient Features of the Constitution – I 3) Salient Features of the Constitution – II

**Unit Test II** - 1) Medieval India – (B) The Delhi Sultanate 2) Elections (CIVICS)

**Annual - HISTORY** 1) Medieval India – (B) 2) The Delhi Sultanate 3) Medieval India – (C) The Mughal Empire 4) Medieval India – (D) Composite Culture 5) The Modern Age in Europe – (B) Reformation 6) The Modern Age in Europe (C) Industrial Revolution

**CIVICS** 1) Local Self-Government – Rural 2) Local Self-Government – Urban + All the chapters done during the year.

### **PHYSICAL EDUCATION**

**Unit Test 1** - Volleyball, Football

**Half Yearly Exam** - SECTION 'A' - 1. The human anatomy and physiology 2. Muscular system

SECTION 'B' – 1. Volleyball 2. Football

**Unit Test II** - Badminton

### **Annual Exam**

Section 'A' 1. Respiratory System 2. Circulatory System 3. Games and Sports

Section 'B' 1. Volleyball 2. Football 3. Badminton