

**CONVENT OF JESUS & MARY, DEHRADUN.**  
**HALF YEARLY SYLLABUS SEPTEMBER 2021**

**CLASS IX**

**ENGLISH LANGUAGE**

- Compositions (all kinds)
- Letter (Formal and Informal)
- E-mail
- Notice
- Tenses
- Prepositions
- Transformation of Sentences
- Comprehension

**ENGLISH LITERATURE**

- The Merchant of Venice (Act 1 Scene 1,2,3 and Act 2 Scene 1,2,3,4,5)
- Prose
- Old Man at the Bridge – Ernest Hemingway
- A Face in the Dark – Ruskin Bond
- Hearts and Hands – O. Henry
- Poetry
- The Cold Within – James Patrick Kinney
- The Heart of the Tree -Henry Cuyler Bunner
- After Blenheim – Robert Southey

**MATHEMATICS**

- Ch1: Rational and Irrational Numbers
- Ch2: Compound Interest
- Ch3: Expansions
- Ch4: Factorisation
- Ch5: Simultaneous Linear Equations
- Ch6: Problems on Simultaneous Linear Equations
- Ch7: Quadratic Equations
- Ch10: Triangles
- Ch11: Mid-Point Theorem
- Ch17: Trigonometrical Ratios
- Ch18: Trigonometrical Ratios of Standard Angles

## **HINDI**

1- पाठ्य पुस्तक साहित्य सागर

- बात अठन्नी की
- काकी
- महायज्ञ का पुरस्कार

2- पाठ्य पुस्तक 'एकांकी संचय'

- संस्कार और भावना
- बहू की विदा

3- पुस्तक सरस हिंदी व्याकरण पर्यायवाची शब्द, विलोम शब्द, भाववाचक संज्ञा, विशेषण, शब्द शुद्धि, वाक्यांश के लिए एक शब्द, मुहावरे, निर्देशानुसार वाक्य परिवर्तन, औपचारिक व अनौपचारिक पत्र लेखन, प्रस्ताव लेखन।

## **HISTORY AND CIVICS**

- Our Constitution and its Salient Features
- Fundamental Rights, Fundamental Duties and Directive Principles of State Policy
- Elections and the Election Commission
- Harappan Civilization
- Early Vedic Civilization
- The Later Vedic Age
- Rise of Jainism and Buddhism
- The Mauryan Empire
- The Sangam Age
- The Age of the Guptas
- South India and the Cholas

## **GEOGRAPHY**

- Ch.2- Geographic Grid (Latitudes and Longitudes)
- Ch.3- Rotation and Revolution
- Ch.4- Earth's Structure
- Ch.6- Rocks
- Ch.7- Volcanoes
- Ch.8- Earthquake
- Ch.9-Weathering
- Ch.11- Hydrosphere
- Ch.12- Composition and Structure of the Atmosphere
- Ch.13- insolation

## **PHYSICS**

- Chapter 1. Measurements and experimentation
- Chapter 2. Motion in one dimension
- Chapter 3. Laws of motion
- Chapter 4. Pressure in fluids and Atmospheric Pressure
- Chapter 6. Heat and Energy

## **CHEMISTRY**

- Chapter 1. Language of Chemistry
- Chapter 2. Chemical changes and reactions
- Chapter 3. Water
- Chapter 4. Atomic structure and chemical bonding

## **BIOLOGY**

- Cell: The Unit of Life
- Tissues: Plant and Animal Tissues
- The Flower
- Pollination and Fertilization
- Seeds- Structure and Germination
- Respiration in Plants
- Economic Importance of Bacteria and Fungi

## **ECONOMICS**

- Chapter 1. Definition of Economics
- Chapter 2. Basic Terms and Concepts Used in Economics
- Chapter 3. Types of Economies
- Chapter 4. Problems of an Economy
- Chapter 5. Primary Sector- Agriculture
- Chapter 6. Food Security
- Chapter 7. Secondary Sector – Industry

## **COMPUTER**

- Chapter 2 Introduction to Java
- Chapter 4 values and Data types
- Chapter 5 Operators and Expressions
- Chapter 7 Input in Java
- Chapter 8 Mathematical Library Functions
- Chapter 9 Conditional Construct in Java (if, if else, nested if statements)

## **HOME SCIENCE**

- Chapter 1- Concept and Scope of Home Science
- Chapter 2- Food and Health
- Chapter 3- Nutrients and Their Functions
- Chapter 4- Growth and Development
- Chapter 6- Disease and Their Prevention
- Chapter 7- Colour and Its Application

## **FINE ARTS**

- ART PAPER -1 (Still Life Study)
- ART PAPER – 2 (Nature Study)
- CRAFT PAPER WORK (all crafts done in class will be examined for this paper)

**CONVENT OF JESUS & MARY, DEHRADUN**  
**SYLLABUS FOR HALF YEARLY EXAMINATION SEPTEMBER 2021**

**Class: X**

**ENGLISH LANGUAGE**

- Compositions (all kinds)
- Letter (Formal and Informal)
- Notice
- E-mail
- Comprehension
- Prepositions
- Transformation of Sentences
- Tenses

**ENGLISH LITERATURE**

- The Merchant of Venice  
Act 3-Scene 1,2,3,4,5

**Poetry**

- Why the Caged Bird Sings - Maya Angelou
- The Patriot– Robert Browning

**Prose**

- The Little Match Girl – Hans Christian Andersen
- The Blue Bead – Norah Burke

**MATHEMATICS**

- Ch1: Good and Service Tax
- Ch2: Banking
- Ch4: Linear Inequations
- Ch5: Quadratic Equations in One Variable
- Ch6: Factorisation
- Ch7: Ratio and Proportion
- Ch8: Matrices
- Ch9: Arithmetic Progression
- Ch13: Similarity

## **HINDI**

-पुस्तक - साहित्य सागर संक्षिप्त कहानियाँ

1-बात अठन्नी की

2-काकी

3- महायज्ञ का पुरस्कार

4- नेताजी का चश्मा

-पुस्तक- एकांकी संचय

1-संस्कार और भावना

2-बहू की विदा

3-मातृभूमि का मान

3-पुस्तक- सरस हिंदी व्याकरण

-पर्यायवाची शब्द, विलोम शब्द, भाववाचक संज्ञा, विशेषण ,शब्द-शुद्धि, वाक्यांश के लिए एक शब्द, मुहावरे, निर्देशानुसार वाक्य परिवर्तन, औपचारिक व अनौपचारिक पत्र लेखन , अपठित गद्यांश, निबंध

## **HISTORY AND CIVICS**

### **Civics**

- Chapter 1- Union Parliament

### **History**

- Chapter 1- The First War of Independence (1857)
- Chapter 2- Factors Leading to the Growth of Nationalism and Foundation of the Indian National Congress
- Chapter 3 - Objectives and Methods of Struggle of the Early Nationalists
- Chapter 4 – Second Phase of the Indian National Movement: Partition of Bengal and Other Developments
- Chapter 5- Muslim league and its Objectives
- Chapter 7- National Movement: 1919 to 1934
- Chapter 8- The Cripps Mission and the Quit India Movement
- Chapter 9- Subhas Chandra Bose, Forward Bloc and the Indian National Army (INA)
- Chapter 10 Independence and the Partition of India

## **GEOGRAPHY**

- Topography (Ch.1,2,3,4)
- Climate (Ch.7)
- Soil Resources (Ch.8)
- Natural Vegetation (Ch.9)
- Water Resources (Ch.10)

## **PHYSICS**

- Chapter 1: Force
- Chapter 2: Work, Energy and Power
- Chapter 3: Machines
- Chapter 4: Refraction of light at plane surfaces
- Chapter 5: Refraction through a Lens
- Chapter 6: Spectrum

## **CHEMISTRY**

- Chapter 1 Periodic Properties and variations of Properties
- Chapter 2 Chemical bonding
- Chapter 3 Acids, Bases and Salts
- Chapter 4 Analytical chemistry
- Chapter 6 Electrolysis

## **BIOLOGY**

- Structure of Chromosomes, Cell Cycle and Cell Division
- Genetics – Some Basic Fundamentals
- Absorption By Roots
- Transpiration
- Photosynthesis – Provider of Food For All

## **ECONOMICS**

- The Productive Mechanism
- Land
- Labour
- Efficiency of Labour
- Capital and Capital Formation
- Entrepreneur
- Theory of Demand
- Theory of Supply
- Market
- Money

## **COMPUTERS**

- Chapter 1: Revising Basic Java Concepts
- Chapter 2: Class as Basis of All Computation
- Chapter 3: User Defined Methods
- Chapter 4: Constructors

## **FINE ARTS**

- ART PAPER -1 (STILL LIFE STUDY)
- ART PAPER – 2 (NATURE STUDY)
- CRAFT PAPER WORK (all crafts done in class will be examined for this paper)

## **HOMESCIENCE**

- Chapter 1- Budgeting and Saving
- Chapter 2- Space Organisation in The Kitchen-
- Chapter 3- Home Furnishing
- Chapter 4- Milestones of Development
- Chapter 5- Role of Family, Peer Group and School
- Chapter 6- Learning Disabilities in Children