

**ST. JOSEPH'S CONVENT SCHOOL**  
**SYLLABUS -2024-2025**  
**CLASS – XII (SCIENCE, COMMERCE & ARTS)**

**ENGLISH LITERATURE**

First Term Examination -:

1. Macbeth : Act 3 till taught.

Half Yearly Examination-:

1. Macbeth: Act 3 sc v and vi
2. Act iv.

**Short Stories:**

1. Atithi
2. The Cookie Lady
3. There will come soft rains

**Poems:**

1. Telephone Conversations
2. Tithonus
3. Beethoven

Pre- Mock Examination- :

1. Complete Syllabus
2. Macbeth
3. Short stories
4. Poems

**PHYSICS**

First Term Examination -:

1. Electrostatics
2. Current Electricity
3. Magnetic effects of current and magnetism

Half Yearly Examination-:

1. Electromagnetic Induction and alternating currents
2. Electromagnetic waves
3. Optics(Ray optics & wave optics)
4. Dual Nature of radiation and matter
5. Atoms and nuclei + Unit test portion

Pre- Mock Examination- :

1. Electronic devices
2. Communication systems + Half yearly syllabus.

**CHEMISTRY**

First Term Examination -:

1. Solution
2. Coordination compound
3. Halo alkanes and Haloarenes
4. Alcohols, Phenols and Ethers

Half Yearly Examination-:

1. Unit Test portion
2. Chemical Kinetics
3. Electrochemistry
4. General Principles and process of isolation of elements
5. d-block elements
6. Aldehydes, Ketones and Carboxylic acid

Pre- Mock Examination- :

1. ISC Syllabus

## **BIOLOGY**

First Term Examination -:

1. Sexual Reproduction in Flowering Plants
2. Human Reproduction
3. Reproductive Health

Half Yearly Examination-:

1. Human health and Disease
2. Microbes in Human Welfare
3. Principles of Inheritance and Variation
4. Molecular Basis of Inheritance
5. Evolution
6. Organisms and Populations
7. Ecosystem
8. Biodiversity and Conservation

Pre- Mock Examination- :

1. Biotechnology: Principles and Processes
2. Biotechnology and its Applications

## **MATHEMATICS**

First Term Examination -:

1. Relations and functions
2. Determinants
3. Matrices
4. ITF

Half Yearly Examination-:

### **Section-A**

1. Relation and functions
2. Matrices Determinants
3. Vectors
4. Inverse trigonometric functions
5. Differential
6. Application of Derivatives
7. Probability

### **Section-B**

1. Lines
2. Vectors (3 D)

### **Section-C**

1. Application of derivatives in economics & commerce

Pre- Mock Examination- :

1. Entire ISC Syllabus

### **COMPUTER**

First Term Examination -:

1. Boolean Algebra( including K-maps)
2. Computer Hardware
3. Recursion

Half Yearly Examination-:

1. Boolean Algebra and Computer Hardware
2. Recursion
3. Inheritance and Polymorphism
4. 4.Class, objects , basic concepts, constructors and String Tokenizer class
5. Expression Conversion(infix ,prefix and postfix)
6. Address Calculation

Pre- Mock Examination- :

1. Boolean Algebra and Computer Hardware
2. Recursion
3. Inheritance and Polymorphism
4. Class, objects , basic concepts, constructors and String Tokenizer class
5. Expression Conversion(infix ,prefix and postfix)
6. Address Calculation
7. Data Structures
8. Computational complexity and Big O Notation

### **ACCOUNTS**

First Term Examination -:

1. Company Accounts- Issue of Shares
2. Company Accounts – Issue of Debentures
3. Company Accounts- Redemption of Debentures

Half Yearly Examination-:

1. Financial Statement of companies
2. Financial Statement Analysis – Comparative Statement and Common size Statement
3. Cash Flow Statement
4. Ratio Analysis
5. Accounting for Partnership Firms- fundamentals
6. Goodwill: Concept and Valuation
7. 1<sup>st</sup> Term Portion

Pre- Mock Examination- :

1. Admission of a Partner
2. Retirement of a Partner
3. Dissolution of Partnership Firm
4. First Term & Half Yearly Portion

## **COMMERCE**

First Term Examination -:

1. Business environment
2. Capital Fixed and working
3. Sources of finance for a Joint Stock Company
4. Banking Latest trends

Half Yearly Examination-:

1. Management – Meaning, nature and importance
2. First Term portion
3. Principles of management
4. Planning
5. Organising
6. Staffing
7. Directing

Pre- Mock Examination- :

1. 1<sup>st</sup> Term and Half Yearly portion
2. Controlling
3. Marketing- concepts and Functions
4. Marketing Mix
5. Consumer Protection

## **ECONOMICS**

First Term Examination -:

1. Demand
2. Supply
3. Elasticity of demand and supply
4. Consumer equilibrium

Half Yearly Examination-:

1. Money
2. Banking
3. Budget policy
4. Fiscal policy
5. Market equilibrium
6. Cost and revenue
7. Producers equilibrium
8. Market structure
9. Portion of first term exam

Pre- Mock Examination- :

1. Aggregate demand and supply
2. Balance of payment
3. National income
4. Portion of half yearly exam

## **POLITICAL SCIENCE**

First Term Examination -:

### **Section-A**

1. Ch-1 (Forms of Government: Totalitarian and Authoritarian States)
2. Ch-2 (Forms of Government: Unitary and Federal States)
3. Ch-3 (Forms of Government: Parliamentary and Presidential Form)

### **Section-B**

1. Ch-2 ( Indian Constitution The Preamble and Salient Features of The Indian Constitution)

Half Yearly Examination-:

### **Section-A**

1. Ch-4 ( Constitution: With reference to U.K and U.S.A)
2. Ch-5 ( Franchise and Representation)
3. Ch-6 ( Organs of Government: Legislative, Executive and Judiciary)

### **Section-B**

1. Ch-2 ( Fundamental Rights)
2. Ch-3 ( Directive Principles of State Policy)

Pre- Mock Examination- :

1. Entire ISC Syllabus

## **HISTORY**

First Term Examination -:

### **Section- A**

1. Ch-1 (Towards Independence and Partition: The Last Phase)

### **Section-B**

4. Ch-1 (World War II)

Half Yearly Examination-:

### **Section- A**

1. Ch- 2(Establishment and Development of Indian Democracy)
2. Ch-3 (Challenges to Indian Democracy)
3. Ch -4 (Changing Face of The Indian Democracy)

### **Section – B**

1. Ch -2 (De- Colonisation in Asia ( China) and Africa (Ghana & Kenya )
2. Ch-3 ( Cold War 1945-91- origin , course end and Impact)

Pre- Mock Examination- :

1. Entire ISC Syllabus

## **GEOGRAPHY**

First Term Examination -:

1. Locational setting of India
2. Geological evolution and structure
3. Relief
4. Population
5. Migration trends
6. Map work – locational setting of India, mountains, peaks, plains, plateaus, peninsula, lakes

Half Yearly Examination-:

1. Locational setting of India
2. Geological evolution and structure
3. Relief
4. Drainage
5. Climate
6. Population
7. Migration trends
8. Demographic attributes
9. Environmental management and land use pattern
10. Water resources and types of irrigation
11. Agriculture
12. Transport and communication
13. Tourism industry
14. Map work – locational setting of India, mountains, peaks, plains, plateaus, peninsula, lakes, water bodies, passes, rivers, climate of India, population, resources of India, agriculture, transport, ports

Pre- Mock Examination- :

1. Full Syllabus

## **PSYCHOLOGY**

First Term Examination -:

1. Intelligence and Ability
2. Personality

Half Yearly Examination-:

1. Lifespan Development
2. Stress and Stress Management.
3. Psychological Disorders and Psycho Therapy.
4. Social thought and Social Behaviour.

Pre- Mock Examination- :

1. Attitudes
2. Application of Psychology.
3. First term and half Yearly Portion.