

## ENGLISH - I

Book Prescribed : **Total English - XII**

- Morning Star

### FIRST TERM

Units 1 to 8

- Unit Test - I :**
1. Grammar Exercises
  2. Report - Writing

### SECOND TERM

Units 9 to 15

- Note :**
1. Supplementary exercises in each unit to be solved simultaneously with the paper.
  2. Grammatical theory in each unit to be dealt with.

## ENGLISH - II

### FIRST TERM

**The Tempest** - William Shakespeare

Act III

Act IV

**Reverie : A Collection of I.S.C. Poems**

(Evergreen Publications)

1. John Brown - Bob Dylan
2. Birches - Robert Frost

3. Dolphins - C.A. Duffy

**Echoes : A Collection of I.S.C. Short Stories**

(Evergreen Publications)

1. Fritz - Satyajit Ray
2. Quality - John Galsworthy

**Unit Test - I :** The Tempest - ACTS IV & III

### SECOND TERM

The Tempest - William Shakespeare

**Act : V**

**Reverie : Reverie A Collection of I.S.C. Poems**

(Evergreen Publications)

1. The Darkling Thrush - Thomas Hardy
2. Dover Beach - Matthew Arnold

**Echoes : A Collection of I.S.C. Short Stories**

1. Story of an Hour - Kate Chopin
2. The Singing Lesson - Katherine Mansfield
3. B. Wordsworth - V.S. Naipaul

**P.S :** Preliminary Examination will include the complete syllabi of Class XII.

## HINDI

### FIRST TERM

पूर्णांक : 80

निबन्ध 15 अंक

अपठित गद्यांश 15 अंक

व्याकरण 10 अंक

पाठ्य पुस्तकें 40 अंक

1. सारा आकाश : राजेन्द्र यादव  
उत्तराब्द्ध : भाग 1-5
2. गद्य संकलन
  - (i) दासी - जयशंकर प्रसाद
  - (ii) क्या निराश हुआ जाए? - हज़ारी प्रसाद द्विवेदी
  - (iii) भक्तिन - महादेवी वर्मा
3. काव्य मंजरी
  - (i) तुलसीदास के पद - तुलसीदास
  - (ii) जाग तुझको दूर जाना है - महादेवी वर्मा
  - (iii) उद्यमी नर - रामधारी सिंह 'दिनकर'
4. व्याकरण मंजूषा : मुहावरे, वाक्य शुद्धि, अपठित एवं निबन्ध  
नोट : अर्द्धवार्षिक परीक्षा में कक्षा ग्यारह का सम्पूर्ण पाठ्यक्रम शामिल है।

### Unit Test - I

1. दासी
2. तुलसीदास के पद
3. व्याकरण - मुहावरे एवं वाक्य शुद्धि

### SECOND TERM

पूर्णांक : 80

निबन्ध 15 अंक                      अपठित गद्यांश 15 अंक  
व्याकरण 10 अंक                      पाठ्य पुस्तकें 40 अंक

1. सारा आकाश : राजेन्द्र यादव  
उत्तराब्द्ध : भाग 6-10
2. गद्य संकलन

1. संस्कृति क्या है? - रामधारी सिंह 'दिनकर'
2. मजबूरी - मन्नू भंडारी
3. काव्य मंजरी
  - (i) बादल को घिरते देखा है - नागार्जुन
  - (ii) अँधेरे का दीपक - हरिवंश राय 'बच्चन'
4. व्याकरण मंजूषा : मुहावरे, वाक्य शुद्धि, अपठित एवं निबन्ध  
नोट : प्रथम एवं द्वितीय प्री-बोर्ड में कक्षा ग्यारह तथा बारह के सम्पूर्ण पाठ्यक्रम सम्मिलित है।

## MATHEMATICS

Book : I.S.C. Mathematics Vol. - II (OP Melhotra)  
Ref. Book : I.S.C. Mathematics Vol.- II (M.L. Agrawal)

### FIRST TERM

#### SECTION - A ( COMPULSORY)

1. Algebra  
- Matrices and Determinants
2. - Relation and Functions  
- Inverse Trigonometric Functions
3. Calculus  
- Continuity  
- Differentiation  
- L'Hospital's Rule  
- Application of Derivative
4. Probability

### SECTION - B

5. Vectors
6. Three-dimensional Geometry  
- Straight line

### SECTION - C

7. Application of Calculus (excluding integration)
8. Linear Regression

#### **Unit Test - I**

1. Matrices, Relation and Functions
2. Determinants

#### **SECOND TERM**

#### **SECTION - A ( COMPULSORY)**

1. Calculus  
- Indefinite Integrals  
- Definite Integrals  
- Differential Equations

### SECTION - B

2. Three Dimensional Geometry  
- Planes
3. Application of Integrals

### SECTION - C

4. Linear Programming
5. Application of Calculus

## PHYSICS

Book : **Nootan Physics** (Nageen Prakashan)-**Vol. II**

Ref. : **ISC Physics Vol. II** - G.R. Bathla & Sons

#### **FIRST TERM (HALF YEARLY)**

1. Electrostatics
2. Magnetic Effects of Current and Magnetism
3. Electromagnetic Waves
4. Ray Optics
5. Dual Nature of Radiation and Matter
6. Electronic Devices
7. Communication systems

#### **Unit Test I**

1. Electrostatics
2. Ray Optics

#### **SECOND TERM**

1. Current Electricity
2. Electromagnetic Induction and Alternating Currents
3. Atoms and Nuclei
4. Wave optics

Preliminary Examinations I & II will include the entire syllabus.

# CHEMISTRY

Book : **Nootan ISC Chemistry Vol.-II** Nageen

Ref. Book: **ISC Chemistry (K. L. Chugh)**

*Kalyani Publication*

## FIRST TERM

### PHYSICAL CHEMISTRY

1. Solutions
2. Chemical Kinetics
3. Surface Chemistry

### INORGANIC CHEMISTRY

4. General Principles and Processes of Isolation of Elements
5. P-Block Elements
6. Co-ordination Compounds

### ORGANIC CHEMISTRY

7. Halo alkanes and Halo arenes
8. Alcohols, Phenols and Ethers
9. Aldehydes, Ketones and Carboxylic Acids
10. Biomolecules
11. Polymers
12. Chemistry in Everyday Life.

### Unit Test I

1. Solutions
2. Chemical Kinetics
3. Co-ordination Compounds
4. Alcohols, Phenols and Ethers

## SECOND TERM

### PHYSICAL CHEMISTRY

1. Solid State
2. Electrochemistry

### INORGANIC CHEMISTRY

3. d - and f - BLOCK Elements

### ORGANIC CHEMISTRY

4. Organic Compounds Containing Nitrogen

Notes : 1. Scope of Syllabus to be consulted for details.  
2. Preliminary examination will include the entire syllabus.

# BIOLOGY

Main Book : **Srijan Biology for ISC School**

## FIRST TERM

### 1. Origin and Evolution of Life

- (i) Reproduction in Organisms
- (ii) Sexual Reproduction in Flowering Plants
- (iii) Human Reproduction
- (iv) Reproductive Health

### 2. Genetics and Evolution

- (iii) Evolution

### 3. Biology and Human Welfare

- (i) Human Health and Diseases

## 5. Ecology and Environment

- (i) Organisms and Populations
- (ii) Ecosystem

### Unit Test - I

1. Reproduction in Organisms
2. Sexual Reproduction in Flowering Plants
3. Evolution
4. Human Health and Diseases

### SECOND TERM

## 2. Genetics and Evolution

- (i) Principles of Inheritance and Variations
- (ii) Molecular basis of Inheritance

## 3. Biology and Human Welfare

- (ii) Strategies for enhancement in food production
- (iii) Microbes in Human Welfare

## 4. Biotechnology and Its Applications

- (i) Biotechnology- Principles and Processes
- (ii) Biotechnology and its applications

## 5. Ecology and Environment

- (iii) Biodiversity and its conservation
- (iv) Environmental issues

1. Please consult scope of syllabus (2023) for each topic.
2. Preliminary Examinations will include the entire syllabus.

# COMPUTER SCIENCE

Book : **Computer Science with Java Vol. II**  
by D. Rai & Co. (Sumita Arora)

### FIRST TERM

#### PAPER - THEORY

Paper I shall be of 3 hours duration and be divided into two parts.

#### PART - I (20 MARKS)

This part will consist of compulsory short answer questions, testing knowledge, application and skill relating entire syllabus. (Mixed Question)

#### PART - II (50 MARKS)

This part will be divided into three sections A, B & C. Candidates are required to answer two questions out of three from section A and two questions out of three in each of the section B and C. Each question in A and B part shall carry 10 marks and Section C each question carry 5 marks.

#### PART - II SECTION - A (20 MARKS)

1. **Boolean Algebra** : Entire Boolean Algebra
2. **Computer Hardware** : Entire Computer Hardware topics given in the syllabus

#### SECTION - B (20 MARKS)

4. **Programming in Java** :  
Review of Class XI Section B & C

5. **Objects**
6. **Primitive Values, Wrapper classes, types and casting**
7. **Variables & Expressions**
8. **Statements & Scope**
9. **Functions**
10. **Arrays and Strings** : *Structured Date types, Basic Concept of a virtual machine, Compile Time and run time errors.*

**SECTION - C (10 MARKS)**

11. **Interface & Polymorphism** : *All subtopics*
3. **Implementation of algorithms to solve problems**  
(linked list, Tree, Binary Tree, Merge Sort, Quick Sort only Algorithm)

**Unit Test I**

1. Boolean Algebra
2. Computer Hardware
3. Programming

**SECOND TERM [ PRE BOARD ]**

12. Data structures
13. Complexity and Big-O-notation.

Preliminary Examinations I & II will include the entire syllabus.

## ECONOMICS

*Book : Economics Vol. - II (Frank Bros.)*

**FIRST TERM**

1. Micro Economic Theory
2. Theory of Income and Employment
3. Money and Banking
4. Balance of Payment and Exchange Rate

**Unit Test - I**

1. Demand and Law of Demand
2. Consumer's Behaviours - Marginal Utility and on Difference Curve Analyssis
3. Elasticity of Demand
4. Supply - Law of Supply and Elasticity of Supply

**SECOND TERM**

5. National Income
6. Public Finance

**Unit Test II**

1. National Income

Note : Preliminary Examinations I & II will include the entire syllabus.

## ACCOUNTS

**Book : D.K. Goel**

(Arya Publication)

### FIRST TERM

1. Partnership - Fundamentals
2. Admission of a Partner
3. Retirement of a Partner
4. Death of a Partner
5. Dissolution of Partnership Firm
6. Change in the Ratio (Profit Sharing)
7. Final Accounts of Joint Stock Company
8. Common size Statement (Part - B)
9. Comparative Statement (Part - B)

### Unit Test I

1. Fundamentals of Partnership
2. Valuation and Concept of Goodwill

### SECOND TERM

10. Company Accounts : Issue of Shares
11. Company Accounts : Issue and Redemption of Debentures
12. Ratio Analysis (Part B)
13. Cash Flow Statement (Part B)
14. Accounting Application of Electronic Spreadsheet (Part C)
15. Database Management System (Part C)

- Note :**
1. Pattern of ISC will be followed through.
  2. Prelims I & II will include the entire syllabus.
  3. Students have to opt from Part B or Part C.

## COMMERCE

**Books : ISC Commerce Vol. II –**

*S. Chand*

### FIRST TERM

1. Business Environment
2. Financing
3. Management

### Unit Test I

1. Business Environment
2. Financing
  - a) Capital - Fixed and Working Capital
  - b) Sources of Finance

### Unit Test II

1. Functions of Management
  - a) Directing
  - b) Controlling
2. Marketing - Concept and Functions of Marketing

## SECOND TERM

### 4. Marketing

*Note* : Preliminary Examinations I & II will include the entire syllabus.

## HISTORY

*Book* : **ISC HISTORY** - Kalyani Publishers

### FIRST TERM

#### Indian History :

- 1) Towards Independence and Partition : The Last Phase (1935-1947)
- 2) Establishment and Development of Indian Democracy (1947-1966)
- 3) Challenges to Indian Democracy (1964-1977)

#### World History :

- 1) World War - II
- 2) De - Colonisation in Asia (China) and Africa (Ghana and Kenya)
- 3) Cold War 1945-1991 : Origin, Course, End and Impact

#### Unit Test - I

- 1) Towards Independence and Partition : The Last Phase (1935-1947)
- 2) Establishment and Development of Indian Democracy (1947-1966)

## SECOND TERM

### Indian History :

- 1) Changing Face of the Indian Democracy (1977-1986)
- 2) India's Foreign Policy
- 3) Movements for Women's Rights

### World History :

- 1) Protest Movements (Civil Rights Movements, Anti-Apartheid Movement and Feminist Movement)
- 2) Middle East : Israeli - Palestine Conflict (1916-1993)

*Note* : Annual Examination will include the complete syllabus.

## GEOGRAPHY

*Book* : **ISC Geography** - Kalyani Publishers

### FIRST TERM

#### UNIT - I :

- 1) Locational Setting of India
- 2) Geological Evolution and Structure
- 3) Relief
- 4) Drainage
- 5) Climate
- 6) Natural Vegetation



## UNIT - II :

- 7) Population
- 8) Migration Trends
- 9) Demographic Attributes
- 10) Rural Settlements
- 11) Urban Settlements

### **Unit Test - I**

- 1) Locational Setting of India
- 2) Geological Evolution and Structure
- 3) Relief

### **SECOND TERM**

## UNIT - III :

- 12) Environmental Management and Land Use Pattern
- 13) Water Resources and Types of irrigation
- 14) Agriculture
- 15) Fisheries
- 16) Minerals and Power Resources

## UNIT - IV :

- 17) Transport and Communication
- 18) Industries
- 19) Tourism Industries

## UNIT - V :

- 20) Regional Economic Development

## **POLITICAL SCIENCE**

Book : **ISC POLITICAL SCIENCE**

### **FIRST TERM**

#### **SECTION - A**

##### **Constitution and Government**

1. **Forms of Government :**  
Totalitarian and Authoritarian States and Liberal Democratic States.
2. **Forms of Government :**  
Unitary and Federal States.
3. **Forms of Government :** Parliamentary and Presidential Forms of Governments.
4. **Constitution :** Amending Procedures
5. **Franchise and Representation, Universal Adult Franchise, Method of Election, Constituency :** Political Parties and Systems
6. **Organs of Government :** The Legislature

[UT - 1]

#### **SECTION - B**

##### **Indian Democracy**

9. **Indian Constitution the Preamble and Salient Feature of the** Indian Constitution

10. **Fundamental Rights** : Meaning, Importance and Description

11. **Directive Principles of State Policy** : Meaning, Classification, Implementation and Issue

**SECOND TERM**

**SECTION - A**

7. **Organs of Government** :

The Executive

8. **Organs of Government** : The Judiciary

**SECTION - B**

12. **Local Self-Governments** :

Panchayati Raj, Rural Local Governemnt, Urban Local Bodies.

13. **Democracy in India** :

Perspective of Challenges Faced :

Caste, Communalism, Regionalism and Political Violence

