

Class - XI

## ENGLISH - I

Book Prescribed : **Total English - XI** -Morning Star

### FIRST TERM

Units 1 to 8

- Unit Test - I** :
- 1) Grammar Exercises
  - 2) Comprehension Passage

### SECOND TERM

Units 9 to 15

- Unit Test - II** :
- 1) Grammar Exercises
  - 2) Report - Writing

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

## ENGLISH - II

### FIRST TERM

Book Drama : **Macbeth** -William Shakespeare

Act - I

Book Poetry Rhapsody : **A Collection of ISC Poems**  
(Evergreen Publications)

- 1) Abhisara - Rabindranath Tagore
- 2) Sonnet 116 - William Shakespeare

Prism : **A Collection of ISC Short Stories**

(Evergreen Publications)

- 1) A Living God - Lafcadio Hearn
- 2) Advice to Youth - Mark Twain
- 3) The Paper Henagerie - Ken Liu

**Unit Test - I** : Act - I of Macbeth

### SECOND TERM

Book Drama : **Macbeth** -William Shakespeare

Act 2 - All the Scenes

Rhapsody : **A Collection of ISC Poems**

(Evergreen Publications)

- 1) Why I Like the Hospital - Tony Hoagland
- 2) Death of a Naturalist - Seamus Heaney
- 3) Strange Meeting - Wilfred Owen

Prism : **A Collection of ISC Short Stories**

(Evergreen Publications)

- 1) The Great Automatic  
Grammatizator - Roald Dahl
- 2) Thank You, Ma'am

**Unit Test - II** : Act II of Macbeth

**Note** : Annual Examination Papers I & II will include the entire syllabi.

# HINDI

## FIRST TERM

पूर्णांक : 100

निबन्ध	20 अंक
अपठित गद्यांश	20 अंक
व्याकरण	10 अंक
पाठ्य पुस्तकें	50 अंक

### 1. गद्य संकलन

- (1) पुत्र-प्रेम - प्रेमचन्द
- (2) गौरी - सुभद्रा कुमारी चौहान
- (3) शरणागत - वृंदावन लाल वर्मा

### 2. काव्य मंजरी

- (1) साखी - कबीर दास
- (2) बाल लीला - सूरदास
- (3) एक फूल की चाह - सियाराम शरण गुप्त

### 3. सारा आकाश - राजेन्द्र यादव

पूर्वाद्ध : भाग 1-5

### 4. व्याकरण मंजूषा - मुहावरे वाक्य शुद्धि, अपठित एवं निबन्ध - सामान्य विषयों पर

#### Unit Test - I

1. पुत्र-प्रेम
2. साखी
3. व्याकरण - मुहावरे

## SECOND TERM

पूर्णांक : 100

निबन्ध	20 अंक
अपठित गद्यांश	20 अंक
व्याकरण	10 अंक
पाठ्य पुस्तकें	50 अंक

### 1. गद्य संकलन

- (क) सती - शिवानी
- (ख) आउट साइडर - मालती जोशी

### 2. काव्य मंजरी

- (क) आ: धरती कितना देती है - सुमित्रानन्दन पंत
- (ख) नदी के द्वीप - अज्ञेय

### 3. सारा आकाश - राजेन्द्र यादव

पूर्वाद्ध : भाग 6-10

### 4. व्याकरण मंजूषा - वाक्य शुद्धि, मुहावरे, अपठित एवं निबन्ध - सामान्य विषयों पर

#### Unit Test - II

1. आ: धरती कितना देती है
2. सती
3. एक फूल की चाह
4. व्याकरण - वाक्यशुद्धि

**नोट :** अर्द्ध-वार्षिक परीक्षा के “सारा आकाश”, “गद्य संकलन” और “काव्य मंजरी” के सभी पाठ वार्षिक परीक्षा में भी सम्मिलित हैं।

# MATHEMATICS

**Book : I.S.C. Mathematics Vol. - I**  
**Ref. I.S.C. Mathematics Vol. - I (M. L. Agrawal)**

## FIRST TERM

### SECTION - A

#### I. Trigonometry

1. Angles and Arc lengths
2. Trigonometric Functions
3. Compound and Multiple angles
4. Trigonometric Equations
5. Properties of Triangle

#### II. Algebra

1. Principle of Mathematical Inductions
2. Quadratic Equations
3. Inequalities
4. Complex Number

#### III. Coordinate Geometry

1. Basic concepts of points and their coordinates
2. Straight lines
3. Circles

#### IV. Statistics

1. Measure of Central Tendency
2. Measure of Dispersion

### SECTION - B

#### V. Conic Section

1. Parabola
2. Ellipse
3. Hyperbola

## SECTION - C

- VI.** 1. Statistics  
2. Correlation Analysis

### Unit Test - I

1. Principle of Mathematical Inductions
2. Quadratic Equations
3. Inequalities

## SECOND TERM

### SECTION - A

#### I. Sets

#### II. Relations and Functions

#### III. Limits and Derivatives

#### IV. Binomial Theorem

#### V. Sequence and Series

1. Arithmetic Progression
2. Geometric Progression
3. Arithmetico-Geometric Series
4. Special Sums :  $\Sigma n$ ,  $\Sigma n^2$ ,  $\Sigma n^3$

#### VI. Permutation and Combinations

#### VII. Probability

### SECTION - B

1. Introduction to Three-Dimensional Geometry
2. Mathematical Reasoning

## SECTION - C

1. Index Numbers and Moving Averages

### **Unit Test - II**

1. Sets
2. Relations and Functions
3. Limits and Derivatives
4. Binomial Theorem
5. Sequence and Series

## PHYSICS

Book : **Nootan ISC Physics - Vol. I** (Nageen)

Ref. Book : *G. R. Bhatla*

### **FIRST TERM**

1. Physical World and Measurement
2. Kinematics
3. Uniform Circular Motion
4. Gravitation
5. Properties of Bulk Matter
6. Simple Harmonic Motion
7. Free & Damped Oscillations

- Unit Test - I**
1. Physical World and Measurement
  2. Kinematics

## SECOND TERM

1. Newton's Laws of Motion
2. Friction
3. Work, Energy and Power
4. Motion of System of Particles
5. Heat and Thermodynamics
6. Kinetic Theory of gases
6. Waves & Oscillation

### **Unit Test - II**

1. Laws of Motion
1. Work, Energy and Power
2. Motion of System of Particles and Rigid Body

## CHEMISTRY

Book : **Nootan ISC Chemistry - Vol. I** (Nageen)

Ref. Book : **ISC Chemistry - Vol. I** (*K. L. Chugh*)  
(Kalyani Publication)

### **FIRST TERM**

#### PHYSICAL CHEMISTRY

1. Some Basic Concepts of Chemistry
2. Structure of Atoms
3. States of Matter : Gases and Liquids

## INORGANIC CHEMISTRY

4. Hydrogen
5. S-block Elements

## ORGANIC CHEMISTRY

6. Organic Chemistry- Some Basic Principles and Techniques
7. Environmental Chemistry

### Unit Test - I

1. Basic Concept of Chemistry
2. Structure of Atom
3. Basic Principles and Techniques of Organic Chemistry

### SECOND TERM

## PHYSICAL CHEMISTRY

1. Classification of Elements and Periodicity in Properties
2. Chemical Bonding and Molecular structure
3. Chemical Thermodynamics
4. Equilibrium

## INORGANIC CHEMISTRY

5. Redox Reactions
6. Some P-Block elements

## ORGANIC CHEMISTRY

7. Hydrocarbons

### Unit Test - II

- |                     |                   |
|---------------------|-------------------|
| 1. Equilibrium      | 2. Redox Reaction |
| 3. Chemical Bonding | 4. Benzene        |

**Note :** 1. Scope of syllabus to be consulted for details.  
2. Preliminary Examination will include the entire syllabus.

## BIOLOGY

Book : i) **ISC Biology** (Srijan Publication)

ii) **Nootan ISC Biology Lab Manual**

(Nageen Pub.)

### FIRST TERM

#### 1. Diversity of Living Organisms

- (i) The Living World
- (ii) Biological Classification
- (iii) Plant Kingdom
- (iv) Animal Kingdom

#### 2. Structural Organisation in Animals and Plants

- (i) Morphology and modification of root, stem and leaf
- (ii) Anatomy of Flowering Plants

#### 4. Plant Physiology

- (i) Transport in Plants
- (ii) Mineral Nutrition
- (iii) Photosynthesis in Higher Plants

- (iv) Respiration in Plants
- (v) Plant Growth and Development

### **Unit Test - I**

- 1) Respiration in Plants
- 2) Plant Growth and Development
- 3) Diversity of Living Organism

### **SECOND TERM**

#### **3. Cell Structure and Function**

- (i) Cell- The Unit of Life
- (ii) Biomolecules
- (iii) Cell Cycle and Cell Division

#### **5. Human Physiology**

- (i) Digestion and Absorption
- (ii) Breathing and Exchange of Gases
- (iii) Body Fluids and Circulation
- (iv) Excretory Products and Their Elimination
- (v) Locomotion and Movement
- (vi) Chemical Co-Ordination and Integration

#### **2. Structural Organisation in Animals and Plants**

- (iii) Structural Organisation in Animals

### **Unit Test - II**

- 5. Human Physiology

**Note :** i) Scope of syllabus to be consulted for details.  
ii) Preliminary examination will include the entire syllabus.

## **COMPUTER SCIENCE**

**Book : Computer Science with JAVA**

*Dhanpat Rai & Co. (Sumita Arora)*

**Note :** **PART - I (20 MARKS)**

This part will consist of compulsory short answer questions, testing knowledge, application and skills, relating to the entire syllabus.

**PART - II (50 MARKS)**

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

### **FIRST TERM**

**SECTION - A [20 MARKS]**

#### **Basic Computer Hardware and Software**

1. Numbers

Representation of Number system in different bases, inter conversion between them, Addition and Subtraction

2. Encoding

- a) Binary Encoding for integer and Real numbers using a finite number of bits.
- b) Characters and their Encoding (eg. ASCII, ISCII, Unicode)

**SECTION - B [40 MARKS]**

- 4. Introduction to object oriented Programming using Java

5. Objects
6. Primitive values, Wrapper classes, Types and Casting
7. Variable, Expression
8. Statement, Scope

**SECTION - C [10 MARKS]**

13. Implementation of Algorithms to solve problem
12. Recursion
15. Trends in Computing and Ethical issues

**Unit Test - I**

1. Numbers
2. Encoding
3. Programming (Class X based)

**SECOND TERM**

**SECTION - A [20 MARKS]**

3. Propositional Logic, Hardware, Implementation, Arithmetic Operation

**SECTION - B [40 MARKS]**

9. Methods and Constructors
10. Array's, String

**SECTION - C [10 MARKS]**

11. Basic Input / Output Data File Handling (Binary and Text)
15. Packages

**Unit Test - II**

1. Methods and Constructors
2. Array's, String
3. Programming

**COMMERCE**

*Book : ISC Commerce Vol. I - (S. Chand)*

**FIRST TERM**

**1. NATURE AND PURPOSE OF BUSINESS**

- i) Classification of human activities - Economic and Non-Economic.
- ii) Definition and concept of business, classification of business activities.
- iii) Business objectives.

**2. FORMS OF BUSINESS ORGANISATIONS**

- i) Introduction to Business Organisations.
- ii) Sole trader : objective, formation; merits and demerits.
- iii) Partnership
- iv) Corporate Organisations

- v) Public Sector Undertakings
- vi) Co-operative Organisations

### **3. SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS.**

#### **4. EMERGING MODES OF BUSINESS**

- i) E-business
- ii) Outsourcing
- iii) Smart Cards

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

1. Definition and concept of business, classification of business activities.
  - i) Classification of Human Activities
  - ii) Nature and Objective Business.
  - iii) Classification of Business Activity.
2. Forms of Business Organisation
  - i) Sole Trader
  - ii) Partnership

#### **SECOND TERM**

#### **5. STOCK EXCHANGE**

- i) Meaning and Importance
- ii) Functions and Services
- iii) Major Stock exchanges in India
- iv) Types of operators
- v) Terms used in Stock Exchange
- vi) SEBI

#### **6. TRADE**

- i) Wholesalers
- ii) Retail Trade
- iii) Role of Chambers of Commerce and Industry and Trade Associations
- iv) Procedure and Documents Used in Home Trade

#### **7. FOREIGN TRADE**

- i) Meaning, difference between internal trade and external trade
- ii) Export Trade - Meaning, Objectives and Procedure
- iii) Import Trade - Meaning, Objectives, Purpose and Procedure
- iv) Documents involved in International Trade
- v) World Trade Organisations

#### **8. INSURANCE**

- i) Meaning, Objectives and Purpose
- ii) Risks in Business - Insurable and Non-insurable
- iii) Principles of Insurance
- iv) Types of Insurance : Life and Non-Life

#### ***Unit Test - II***

1. Stock Exchange
2. Trade
  - i) Wholesale Trade
  - ii) Retail Trade

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



## PRINCIPLES OF ACCOUNTS

Books : **ISC Accountancy** by D.K. Goel  
(Arya Publication)

### FIRST TERM

1. Basic Accounting Concepts
2. Principles, Concepts and Assumptions
3. Accounting Equations (meaning & usefulness)
4. Books of Journal
5. Ledger-Posting / Balancing
6. Cash Book & Subsidiary Books
7. Trial Balance
8. Bank Reconciliation Statement
9. Rectification of Errors
10. Capital & Revenue Expenditure / Income
11. Reserves and Provisions

### Unit Test - I

1. Meaning and Objectives of A/c<sup>s</sup>
2. Basic Accounting Terms
3. Journal

### SECOND TERM

12. Depreciation
13. Bills of Exchange
14. Final Accounts (with & without adjustments)
15. Single Entry System

16. Accounts of Non-Trading Concerns
17. Introduction of Computers

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

### Unit Test - II

1. Bills of Exchange
2. Final A/c<sup>s</sup> with adjustments

## ECONOMICS

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

### FIRST TERM

#### 1. Understanding Economics :

- a) Definition of Economics
- b) Micro and Macro Economics
- c) Basic Problems of an Economy
- d) Types of Economies

#### 2. Statistics :

- a) Statistics
- b) Collection, organization and presentation of data.
- c) Measures of Central Value.
- d) Measures of Dispersion.
- e) Correlation
- f) Index Numbers
- g) Some Mathematical Tools in Economics.

### **Unit Test - I**

- a) Definition of Economics
- b) Micro and Macro Economics
- c) Basic concepts of Economics
- d) Basic problems of an Economy

### **SECOND TERM**

#### **3. Indian Economic Development :**

- a) Introduction
- b) Parameters of Development
- c) Planning and economic development in India
- d) Structural changes in the Indian Economy after Liberalization.
- e) Current challenges facing Indian Economy
- f) Economic growth and development
- g) Sustainable Development

### **Unit Test - II**

- a) Indian Economic Development :
  - 1) Introduction
  - 2) Parameters of Development
  - 3) Planning and Economic Development in India

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

## **HISTORY**

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

- Objectives :**
- 1) To provide better understanding of the significant events and personalities of the period under study.
  - 2) To develop interest among students to familiarise themselves with the past and foster a sense of historical continuity.

### **FIRST TERM**

#### **Indian History :**

- 1) Growth of Nationalism
- 2) Emergence of the Colonial Economy
- 3) Economic, Social and Cultural impact of British Rule

#### **World History :**

- 1) Urbanisation : Growth of working class and workers movement
- 2) The First World War 1914-18
- 3) Peace Settlement after the World War - I : Establishment of the league of Nations
- 4) The Great Depression : USA, Germany, Britain, France and Japan

### **Unit Test - I**

- 1) Growth of Nationalism
- 2) Emergence of the Colonial Economy

## SECOND TERM

### Indian History :

- 1) Protest Movement against Colonial Rule
- 2) Gandhian Nationalism

### World History :

- 1) Rise of Communism in Russia (1917-39)
- 2) Rise of Fascism in Italy (1922-39)
- 3) Rise of Nazism in Germany (1933-39)
- 4) Rise of Militarism : Japan (1919-1941)

### Unit Test - II

- 1) Protest Movement against Colonial Rule
- 2) Gandhian Nationalism

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

## POLITICAL SCIENCE

*Book : ISC POLITICAL SCIENCE Author : K.K. Ghai*  
Kalyani Publishers

## FIRST TERM

### SECTION - A

1. Introduction to Political Science
2. Fundamental Concepts
3. The Origin of the State
4. Political Ideologies
5. Sovereignty

## SECTION - B

1. International Relations : An Introduction
2. End of Cold War : Impact on World
3. Unipolar World : Us Unilateralism

### Unit Test - I

1. Introduction to Political Science
2. Fundamental Concepts

## SECOND TERM

### SECTION - A

1. Law
2. Liberty
3. Equality
4. Justice

### SECTION - B

1. Regional Co-operation
2. Non-Alignment and Non-Aligned Movement

### Unit Test - II

1. Law
2. Liberty

**Note :** Annual Examination syllabus all Chapters according to Council.

