

Class - XI

ENGLISH - IBook Prescribed : **Total English - XI** -Morning Star**FIRST TERM**

Units 1 to 8

Unit Test - I : 1) Grammar Exercises
2) Proposal Writing

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 Menagerie - Ken Liu

Unit Test - I : Act - I (Scenes 1 to 5)**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, वाक्यशुद्धि

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, मुहावरे

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

II. Algebra

1. Sets, Relation, Functions
2. Quadratic Equations
3. Inequalities
4. Complex Number

III. Coordinate Geometry

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

IV. Statistics

1. Measure of Dispersion

SECTION - B

V. Conic Section

1. Parabola
2. Ellipse
3. Hyperbola

SECTION - C

- VI.** 1. Statistics (Continued)
 2. Correlation Analysis

Unit Test - I

1. Complex Numbers
2. Quadratic Equations

SECOND TERM

SECTION - A

I. Differentiation, Circles

II. Limits

III. Binomial Theorem

IV. Sequence and Series

1. Arithmetic Progression
2. Geometric Progression
3. Arithmetico-Geometric Series
4. Special Sums : Σn , Σn^2 , Σn^3

V. Permutation and Combinations

VI. Probability

SECTION - B

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

SECTION - C

1. Index Numbers and Moving Averages

Unit Test - II

1. Limits and Derivatives
2. Binomial Theorem
3. Permutation and Combinations

PHYSICS

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

Ref. Book : *G. R. Bhatla*

FIRST TERM

1. Physical World and Measurement
2. Kinematics
3. Laws of Motion
4. Motion of System of Particles
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. Gravitation
2. Work, Energy and Power
3. Heat and Thermodynamics
4. Kinetic Theory of gases
5. Waves & Oscillation

Unit Test - II

1. Gravitation
2. Work, Energy and Power

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. Classification of Elements and Periodicity in Properties
4. Chemical Bonding

ORGANIC CHEMISTRY

5. Organic Chemistry- Some Basic Principles and Techniques

Unit Test - I

1. Structure of Atom

SECOND TERM**PHYSICAL CHEMISTRY**

1. Chemical Thermodynamics
2. Equilibrium

INORGANIC CHEMISTRY

3. Redox Reactions

ORGANIC CHEMISTRY

7. Hydrocarbons

Unit Test - II

1. Equilibrium
2. Redox Reaction

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) Photosynthesis in Higher Plants
(ii) Respiration in Plants
(iii) Plant Growth and Development

Unit Test - I

- 1) The Living World
2) Biological Classification
3) Plant Kingdom

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) Breathing and Exchange of Gases
- (ii) Body Fluids and Circulation
- (iii) Excretory Products and Their Elimination
- (iv) Locomotion and Movement
- (v) 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]

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
 - iii) Joint Stock Company
 - iv) Types of Companies

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. Evolution of Accounting & Basic Accounting Terms
2. Accounting Equations
3. Meaning, Objective Scope & Nature of Account
4. Double Entry System,
5. Books of Original Entry - Journal
6. Accounting for Goods & Service Tax (GST)
7. Books of Original Entry - Cash Book
8. Books of Original Entry - Special Subsidiary Books
9. Ledger
10. Trial Balance
11. GAAP
12. Bases of Accounting
13. IFRS
14. Capital & Revenue
15. Provision & Reserves
16. Errors & Their Rectification

Unit Test - I

1. Meaning and Objectives of A/c^g, Accounting Equations
2. Basic Accounting Terms, Data Entry System
3. Journal

SECOND TERM

17. Depreciation
18. Bills of Exchange
19. Final Accounts
20. Final Accounts with Adjustments
21. Accounts of Not for Profit Organisation

Note : Annual Examination will include the entire syllabus.

Unit Test - II

1. Bills of Exchange
2. Final A/c^s 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

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) The First World War 1914-18
- 2) Peace Settlement after the World War - I : Establishment of the league of Nations
- 3) 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.

GEOGRAPHY

HALF YEARLY EXAM

- 1) Age and Origin of the Earth (U.T. - I)
- 2) Interior Structure of the Earth,
Volcanoes and Earthquakes (U.T. - I)
- 3) Endogenous process and Associated Landforms
- 4) Drifting of Continents and Plate Tectonics
- 5) Isostasy

- 6) Exogenous Process and Associated Landform
- 7) Fluvial Processes
- 8) Aeolian Processes
- 9) Glacial Processes
- 10) Marine Processes

ANNUAL EXAM

- 1) Composition and Structure of the Atmosphere (U.T. - II)
- 2) Insolation and Temperature (U.T. - II)
- 3) Atmospheric Pressure and Winds
- 4) Atmospheric Moisture
- 5) Submarine Relief
- 6) Temperature, Salinity and Density of Ocean Water
- 7) Ocean Water Movements
- 8) The Biosphere
- 9) Biodiversity
- 10) Climatic Change

Practical Work :

Half Yearly Examination :

- 1) Statistical Diagram

Annual Examination :

- 2) Map Projections

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. End of Cold War : Impact on World
2. 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.

