

ENGLISH - I

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

FIRST TERM

Units 1 to 8

SECOND TERM

Units 9 to 15

- 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 : **The Tempest** -William Shakespeare

Act - IV : All the Scenes

Act - V : All the Scenes

Book : **Reverie : A Collection of ISC Poems**
(Evergreen Publication)

- 1) The Darkling Thrush - Thomas Hardy
- 2) Birches - Robert Frost
- 3) Crossing the Bar - Alfred, Lord Tennyson

Book : **Echoes : A Collection of ISC Short Stories**
(Evergreen Publications)

- 1) To Build a Fire - Jack London
- 2) The Story of an Hour - Kate Chopin
- 3) The Singing Lesson - Katherine Mansfield

Assessment - I :

- 1) English - I Total English - Grammar and Proposal / Report / Testimonial Review Writing.
- 2) English - II The Tempest - Acts I, II, III, IV & V

Midterm Test - I :

- 1) English - I Total English - Grammar and Proposal / Report / Review / Testimonial Writing.
- 2) English - II The Tempest - Acts IV & V

Note : Assessment I syllabus will be included in Midterm Test I.

SECOND TERM

Book : **The Tempest** -William Shakespeare

Acts I to V : All the Scenes

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

- 1) Dover Beach - Mathew Arnold
- 2) We are the Music Makers -
Arthur W.E.O'Shaughnessy

Book : **Echoes : A Collection of ISC Short Stories**
(Evergreen Publications)

- 1) The Sound Machine - Roald Dahl
- 2) B. Wordsworth - V.S. Naipaul

Note : Midterm Test II will include the entire syllabus of second term..

Preliminary examinations will include the complete syllabi of Classes XI & XII.

HINDI

FIRST TERM

पूर्णांक : 100

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

1. सारा आकाश - राजेन्द्र यादव
उत्तरार्द्ध - सुबह-भाग 1-5

2. गद्य संकलन

- (1) दासी - जयशंकर प्रसाद
- (2) क्या निराश हुआ जाए? - हजारी प्रसाद द्विवेदी
- (3) भक्तिन - महादेवी वर्मा

3. काव्य मंजरी

- (1) तुलसीदास के पद - तुलसीदास
- (2) जाग तुझको दूर जाना है - महादेवी वर्मा
- (3) उद्यमी नर - रामधारी सिंह 'दिनकर'

नोट : अर्द्ध-वार्षिक परीक्षा कक्षा - 11 के सम्पूर्ण पाठ्यक्रम शामिल है।

Assessment - I :

1. सारा आकाश भाग - 1, 2
2. तुलसीदास के पद
3. दासी
4. व्याकरण

Midterm Test - I :

1. सारा आकाश - भाग 3,4,5
2. जाग तुझको दूर जाना है
3. तुलसीदास के पद
4. क्या निराश हुआ जाए?
5. दासी
6. व्याकरण

नोट : Midterm Test I में Assessment I के सभी पाठ शामिल हैं।

SECOND TERM

पूर्णांक : 100

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

1. सारा आकाश - राजेन्द्र यादव
उत्तरार्द्ध - सुबह-भाग 6 - 10

2. गद्य संकलन

- (क) संस्कृति क्या है? - रामधारी सिंह 'दिनकर'
- (ख) मजबूरी - मन्नू भंडारी

3. काव्य मंजरी

- (क) बादल को घिरते देखा है - नागार्जुन
- (ख) अँधेरे का दीपक - हरिवंश राय 'बच्चन'

Note : Midterm Test II will include the entire second term syllabus.

प्री-बोर्ड में कक्षा 11 तथा 12 के सभी पाठ शामिल हैं।

MATHEMATICS

Book : I.S.C. Mathematics Vol. - II

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

Assessment - I :

- 1) Matrices
- 2) Determinants

Midterm Test - I :

- 1) Relation and Functions
- 2) Inverse Trigonometric Functions
- 3) Continuity and Differentiability

Note : Assessment I syllabus included in Midterm Test I.

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

Note : Midterm Test II will include the entire second term syllabus.

Preliminary examinations I & II will include the entire syllabus.

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

Assessment - I :

1. Electrostatics

Midterm Test - I :

1. Electrostatics
2. Dual Nature of Radiation and Matter

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

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

Note : Midterm Test II will include the entire second term syllabus.

Preliminary examinations 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.

Assessment - I :

1. Solutions
2. Chemical Kinetics

Midterm Test - I :

1. Co-ordination Compounds
2. Halo alkanes and Halo arenes

Note : Assessment I syllabus included in Midterm Test I.

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.
 3. Midterm Test II will include the entire second term syllabus.

BIOLOGY

Main Book : **ISC Biology** *Nootan*
Ref. Book : **ISC Biology** *Balaji Publication*

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

Assessment - I :

1. Human Reproduction

Midterm Test - I :

1. Sexual Reproduction in Flowering Plants

Note : Assessment I syllabus included in Midterm Test I.

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. Midterm Test II will include the entire second term syllabus.
2. Please consult scope of syllabus (2019) for each topic.
3. Preliminary Examinations will include the entire syllabus.

COMPUTER SCIENCE

Book : **Computer Science with Java Vol. II**
by D. Rai & Sons

FIRST TERM

SECTION - A (20 MARKS)

1. **Boolean Algebra** : Entire Boolean Algebra

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

SECTION - B (40 MARKS)

1. **Programming in Java** :

(Review of Class XI Section B & C)

2. **Objects**

3. **Primitive Values, Wrapper classes, types and casting**

4. **Variables & Expressions**

5. **Statements & Scope**

6. **Methods**

7. **Implementation of Algorithms to Solve Problem**

SECTION - C (10 MARKS)

1. **Inheritance, Interface, Polymorphism**

2. **Complexity and Big-O-Notation**

Assessment - I :

1. Boolean Algebra
2. Computer Hardware
3. Programming

Midterm Test - I :

1. Array's and String
2. Functions
3. Data structures

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

Data structures, Complexity and Big-O-notation.

Note : Midterm Test II will include the entire second term syllabus.

Preliminary examination will include the entire syllabus.

ECONOMICS

Book : **Economics Vol. II** (Frank & Co.)

FIRST TERM

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

Assessment - I :

1. Consumer Behaviour - Utility Analysis

Midterm Test - I :

1. Demand and Elasticity of Demand
2. Supply and Elasticity of Supply
3. Production, Cost and Revenue

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

5. National Income
6. Public Finance

Note : Midterm Test II will include the entire second term syllabus.

Preliminary Examination will include the entire syllabus.

ACCOUNTS

Book : **T.S. Grewal**

(Sultan Chand)

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)

Assessment - I :

1. Fundamentals of Partnership & Admission of Partner

Midterm Test - I :

1. Retirement of a Partner
2. Death of a Partner
3. Dissolution of Partnership Firm

Note : Assessment I syllabus included in Midterm Test I.

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. Midterm Test II will include the entire second term syllabus.
 2. Pattern of ISC will be followed through out.
 3. Prelim will include the entire syllabus.
 4. 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

Assessment - I :

1. Business Environment

Midterm Test - I :

1. Financing
2. Management

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

4. Marketing

Note : *Midterm Test II will include the entire second term syllabus.*

Preliminary examination will include the entire syllabus.

MORAL SCIENCE

Book : **Heart and Mind**
Marina Publication Pvt. Ltd.

FIRST TERM :

- 1) Modern Lifestyle
- 2) Modern Day Slavery
- 3) Respecting Diversity
- 4) Ragging - A Torture
- 5) Alcoholism
- 6) Choosing A Career
- 7) Generation Gap

SECOND TERM :

- 8) Eve - Teasing
- 9) Drug Addiction - A Menace
- 10) AIDS : A Dreadful Disease
- 11) Digital India
- 12) Germs of India
- 13) Global Icons

