

ST.JOSEPH'S COLLEGE
SESSION 2024-2025
SYLLABUS FOR CLASS 12

ENGLISH LANGUAGE- TOTAL ENGLISH BOOK 11

MID-TERM 1

Composition
Grammar

HALF-YEARLY:

COMPOSITION- composition on one of a number of subjects (20 marks; 400-450 words)

The choice may normally include: Narrative, Descriptive, Reflective, Argumentative, Discursive topics and Short Story.

Question Two: (a)

Directed writing based on suggested points: (15 marks, 300 words)

The choice may normally include: Feature Article , Book Review, Speech Writing, Newspaper Report and Statement of Purpose.

Proposal writing based on a given situation (10 marks)

The proposal should include : (i) An Introduction, (ii) Objectives and (iii) List of Measures to be taken. A concluding statement is desirable.

Question Three:

Short answer questions to test grammar, structure and usage.(15 marks)

Question Four:

Comprehension (20 marks)

Note: The Syllabus is subjected to change. The subject given is for the theory paper which consists of 80 marks. The remaining 20 marks will be tested on Project: Listening, Speaking and Writing Skills.

MID-TERM II: NA

FINAL TERM:

COMPOSITION- composition on one of a number of subjects (20 marks; 400-450 words)

The choice may normally include: Narrative, Descriptive, Reflective, Argumentative, Discursive topics and Short Story.

Question Two: (a)

Directed writing based on suggested points: (15 marks, 300 words)

The choice may normally include: Feature Article , Book Review, Speech Writing, Newspaper Report and Statement of Purpose.

Question Two: (b)

Proposal writing based on a given situation (10 marks)

The proposal should include : (i) An Introduction, (ii) Objectives and (iii) List of Measures to be taken. A concluding statement is desirable

Question Three:

Short answer questions to test grammar, structure and usage.(15 marks)

Question Four:

Comprehension (20 marks)

Note: The Syllabus is subjected to change. The syllabus of half-yearly is included in final term. The syllabus given is for the theory paper which consists of 80 marks. The remaining 20 marks will be tested on Project: Listening ,Speaking and Writing Skills.

ENGLISH LITERATURE-

MID TERM 1

Atithi / Guest – Rabindranath Tagore

Telephone Conversation – Wole Soyinka

HALF YEARLY

DRAMA: Macbeth: William Shakespeare-Act III to Act V Sc ii

PRISM: A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)

1. Atithi / Guest – Rabindranath Tagore
2. The Cookie Lady – Philip K. Dick
3. There Will Come Soft Rains – Ray Bradbury

III. RHAPSODY: A Collection of ISC Poems (Evergreen Publications (India) Ltd. New Delhi)

1. Telephone Conversation – Wole Soyinka
2. Tithonus – Alfred, Lord Tennyson
3. Beethoven – Shane Koyczan

PREBOARDS

DRAMA: Macbeth: William Shakespeare (Acts III, IV & V)

PRISM: A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)

1. Atithi / Guest – Rabindranath Tagore
2. The Cookie Lady – Philip K. Dick
3. There Will Come Soft Rains – Ray Bradbury
4. Indigo – Satyajit Ray
5. The Medicine Bag – Virginia Driving Hawk Sneve

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3. Beethoven – Shane Koyczan
4. Small Towns and the River – Mamang Dai
5. Death be not Proud – John Donne

DRAMA: Macbeth: William Shakespeare (Acts III, IV & V)

PRISM: A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)

1. Atithi / Guest – Rabindranath Tagore
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3. Beethoven – Shane Koyczan
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5. Death be not Proud – John Donne

NOTE: The ISC (Class XII) Examination paper will be set ONLY on the portion of the syllabus that is prescribed for Class XII.

MATHEMATICS

UNDERSTANDING ISC MATHEMATICS CLASS XII , VOL I AND VOL II BY M.L.AGARWAL

MID TERM 1

Inverse Trigonometric Functions(Sec-A)

Matrices(Sec-A)

Determinants(Sec-A)

Continuity(Sec-A)

HALF YEARLY

Section-A

Chp-1. Relations And Functions

Chp-2. Inverse Trigonometric Functions

Chp-3. Matrices

Chp-4. Determinants

Chp-5. Continuity , Differentiability and Differentiation
(Including Second order derivatives)

Chp-7. Application Of Derivatives

Tangent And Normal

Approximation

Rate Measure

Increasing And Decreasing Functions

Maxima And Minima

Chp-8. Integrals (Till Exercise Number-8.7)

Section-B

Chp-1 Vectors

Chp-3 Application Of Integrals

Section-C

Chp-1 Application Of Calculus In Commerce And Economics

Chp-3.Linear Programming

PREBOARDS**Section-A**

Chp-8.Integrals

Chp-9.Differential Equations

Chp-10.Probability

Section-B

Chp-2.Three Dimensional Geometry

Section-C

Chp-2.Linear Regression

(Please Note All Topics Are Included From Mid Term 1 And Half Yearly In Preboards)**ACCOUNTS****DOUBLE ENTRY BOOK KEEPING –XII(ISC) BY T.S. GREWAL SULTAN CHAND****MID TERM 1****Section A**

1. Partnership Fundamental – Profit & Loss Appropriation
2. Goodwill Valuation

Section B

3. Ratio Analysis
4. Cash Flow Statement

HALF YEARLY**Section A**

1. Partnership Fundamental – Profit & Loss Appropriation
2. Goodwill Valuation
3. Admission of a Partner
4. Retirement & Death of a Partner

5. Dissolution of Partnership
6. Company Accounts - Issue of Shares (including Balance Sheet extract)

Section B

1. Ratio Analysis
2. Cash Flow Statement
3. Financial Statement Analysis – Comparative & Common-Size Statements

PREBOARDS

1. Company Accounts – Issue of Debentures
2. Company Accounts – Redemption of Debentures
3. Company Final Accounts

Note:- Pre Board Assessment 2025 will include All Chapters as per the scope of syllabus of ISC 2025.

COMMERCE

ISC COMMERCE XII BY C.B. GUPTA SULTAN CHAND

MID TERM 1

1. Business Environment (Chap 1)
2. Sources of Finance of Joint Stock Company (Chap 2)
3. Capital – Fixed and Working (Chap 3)
4. Marketing – Meaning and Functions (Chap 13)
5. Marketing Mix (Chap 14)
6. Consumer Protection (Chap 15)

HALF YEARLY

1. Business Environment (Chap 1)
2. Sources of Finance of Joint Stock Company (Chap 2)
3. Capital – Fixed and Working (Chap 3)
4. Banking – Latest Trend (Chap 4)
5. Management – Meaning , Nature and Importance (Chap 5)
6. Principles of Management (Chap 6)
7. Functions of Management and Co-ordination (Chap 7)
8. Planning (Chap 8)
9. Staffing (Chap 10)
10. Marketing – Meaning and Functions (Chap 13)
11. Marketing Mix (Chap 14)
12. Consumer Protection (Chap 15)

PREBOARDS

1. Organising (Chap 9)
2. Directing (Chap 11)
3. Controlling (Chap 12)

Note:- Pre Board Assessment 2025 will include All Chapters as per the scope of syllabus of ISC 2025.

CHEMISTRY

ISC CHEMISTRY (CLASS XII) (DR. H. C. SRIVASTAVA) NAGEEN PRAK.
ISC PRACTICAL CHEMISTRY CLASS XII (V. C. GARG) PITAMBAR

FIRST TERM

1. SOLUTIONS (MT1)
2. ELECTROCHEMISTRY
3. CHEMICAL KINETICS
4. COORDINATION CHEMISTRY (MT1)
5. HALO-ALKANES & HALO-ARENES
6. ALCOHOL, PHENOL, ETHER
7. ALDEHYDES, KETONES, CARBOXYLIC ACIDS
8. D AND F- BLOCK ELEMENTS*

MT1

1. SOLUTIONS (MT1)
2. COORDINATION CHEMISTRY (MT1)

FINAL TERM (PRE-ISC/ISC)

1. ORGANIC COMPOUNDS CONTAINING NITROGEN
2. BIO-MOLECULES

3. SOLUTIONS
4. ELECTROCHEMISTRY
5. CHEMICAL KINETICS
6. COORDINATION CHEMISTRY
7. HALO-ALKANES & HALO-ARENES
8. ALCOHOL, PHENOL, ETHER
9. ALDEHYDES, KETONES, CARBOXYLIC ACIDS
10. D AND F- BLOCK ELEMENTS*

QUESTION PAPER FORMAT AS PER ISC 2025 SPECIMEN PAPER.
FULL SYLLABUS AS PER ISC 2025

PHYSICS

NOOTAN PHYSICS FOR ISC XII

MID TERM 1

1. Electrostatics
2. Current Electricity

HALF YEARLY

1. Electrostatics
2. Current Electricity
3. Magnetism
4. Magnetic effects of Electric Current
5. Electromagnetic induction
6. Alternating Current
7. Electromagnetic Waves
8. Dual Nature of Matter and Radiation
9. Semiconductor Electronics

PREBOARDS - Full Syllabus as per the Scope of ISC 2025

1. Optics
2. Atoms and Nuclei

BIOLOGY

ISC BIOLOGY CLASS XII DR.S.C.TRIPATHI

MID TERM 1

Ch 5 Principles Of Inheritance And Variation

Ch 6 Molecular Basis Of Inheritance

Ch 10 Microbes In Human Welfare

HALF YEARLY

Ch 3 Human Reproduction

Ch 4 Reproductive Health

Ch 5 Principles Of Inheritance And Variation

Ch 6 Molecular Basis Of Inheritance

Ch 8 Human Health And Diseases

Ch 10 Microbes In Human Welfare

Ch 13 Organisms And Populations

Ch 14 Ecosystem

PREBOARDS-

Ch 2 Sexual Reproduction In Flowering Plants

Ch 8 Human Health And Diseases

Ch 11 Biotechnology :Principles And Processes

Ch 12 Biotechnology And Applications

Ch 15 Biodiversity And Its Conservation

Full Syllabus as per the Scope of ISC 2025.

BUSINESS STUDIES

ISC - BUSINESS STUDIES CLASS XII -CB GUPTA-GOYAL BROTHERS

MID TERM 1

Ch 1. Introduction to Human Resource Management

Ch 2. Job Analysis and Manpower Planning

Ch 3. Staff Recruitment

Ch 4. Staff Selection

Ch 5. Staff Training

HALF YEARLY

Ch 1. Introduction to Human Resource Management

Ch 2. Job Analysis and Manpower Planning

Ch 3. Staff Recruitment

Ch 4. Staff Selection

Ch 5. Staff Training

Ch 6. Staff Morale

Ch 7. Staff Motivation

Ch 8. Staff Remuneration

Ch 9. Staff Leadership

Ch 10. Staff Appraisal

Ch 11. Staff Promotion and Transfer

Ch 12. Staff Separation

Ch 13. Emerging Trends in Human Resources

Ch 14. Business Communication

Ch 15. Business Correspondence

Ch 16. Reports and Report Writing

PREBOARDS

Full Syllabus as per the Scope of ISC 2025.

Chapter 1 to 16 and

Ch 17 Various Business Entities

Ch 18. Sources of Business Finance

Ch 19. Globalisation

Ch 20. E- Business

Ch 21. Outsourcing

Ch 22. Business Regulators and Intermediaries

ECONOMICS

FRANK ISC ECONOMICS BY D.K. SETHI & U. ANDREWS

MID TERM I –

- 1 Chapter 2: Demand and Law of Demand
- 2 Chapter 4: Elasticity of Demand
- 3 Chapter 5: Supply – Law of Supply and elasticity of supply
- 4 Chapter 6: Market Mechanism – Equilibrium price and quantity in a competitive market

HALF YEARLY

- 1 Chapter 2: Demand and Law of Demand
- 2 Chapter 3: Theory of Consumer Behaviour – Marginal utility and Indifference curve analysis
- 3 Chapter 4: Elasticity of Demand
- 4 Chapter 5: Supply – Law of Supply and elasticity of supply
- 5 Chapter 6: Market Mechanism – Equilibrium price and quantity in a competitive market
- 6 Chapter 7: Laws of Returns – returns to a factor and returns to a scale
- 7 Chapter 8: Cost and Revenue analysis
- 8 Chapter 9: Forms of Market
- 9 Chapter 10: Producer's Equilibrium
- 10 Chapter 11: Determination of Equilibrium Price and Output under Perfect Competition
- 11 Chapter 13: Money: Meaning and Functions
- 12 Chapter 14: Banks: Commercial Banks and Central Bank
- 13 Chapter 15: Balance of Payments and Exchange Rates
- 14 Chapter 16: Fiscal Policy

PREBOARDS - Full Syllabus as per the Scope of ISC 2025.

- 1 Chapter 12: Theory of Income and Employment
- 2 Chapter 17: Government Budget
- 3 Chapter 18: National Income and Circular Flow of Income
- 4 Chapter 19: National Income Aggregates
- 5 Chapter 20: Methods of Measuring National Income

Note: Final term examinations will include all chapters from Half-Yearly Examination.

HINDI

MID TERM 1

Literature

Ch:7 Kya Nirash hua jai?

Ch:6.Tulsidas ke Pad

Grammar

1. Correct sentence

2. Idioms

HALF YEARLY

SectionA:Language).

Essay.(400words).

Comprehension.-

VyakaranManjusha.

1. Correct sentence

Grammar.

2. Idioms

Section:B(Literature).

GadyaSankalan

Ch:7 Kya Nirash hua jai?

Ch:8Bhaktin

Ch:9 Sanskriti kya hai?

Kavya Manjari

Ch:6.Tulsidas ke Pad

Ch:7Jaag tujhko dur jana hai Ch:8Udaymi Nar

Aashad ka Ek Din:Anka-3(Act-3)

(Questions will come from Act 1 to Act-3)"

Note:The Syllabus given is for the theory paper which consists of 80 marks. The remaining 20 marks will be tested on Project:Listening,Speaking and Writing Skills.

PREBOARDS

TERM 2-Full Syllabus as per the Scope of ISC 2025.

Section.:A(Language).

Essay.(400words).

Comprehension.

Grammar.

:Vyakaran Manjusha.

1. Correct sentence

2. Idioms

Section:B(Literature).

Gadya Sankalan: Ch.10:Majburi

(Questions will come from ch.1 to ch.10)

Kavya Manjari

Ch:9 Badal ko Ghirate dekha hai

Chapter10:Andhere Ka Deepak

(Questions will come from ch.1 to ch.10)

Aashad ka Ek Din:Fullbook

Note:The Syllabus given is for the theory paper which consists of 80 marks. The remaining 20 marks will be tested on Project:Listening,Speaking and Writing Skills.

Full ISC Syllabus for the Preboard Examination.

BENGALI

TEXT BOOK :

KONI(NOVEL) MOTI NANDY

KABITA SANKALAN

PROBONDHO O-GODYA SANKALAN.

MID TERM 1

Essay(15 Marks)

Banan Suddho ,Bakya Sanshodhan ,

.Koni (Novel)- Chapters-8,9

Baborer Prarthona

HALF YEARLY

Section - A (Language 40 Marks)

Essay(15 Marks)

Comprehension (15 Marks)

Grammar(10 Marks)

Banan Suddho,Bakya Sanshodhan ,Idioms ,DhannatakShobdo.,Transformation of sentences,voice change,direct & indirect speech ,Sadhu Chalit,one word for many

Section B (Literature 40 Marks)

1.Koni (Novel)- Chapters-8 ,9,10 ,11.

2.Probondho O Godya Sankalan :

5.Record 6.,Birjyasulka 7.,Aadab ,8.Lachmaner Ma.

3.Kabita Sankalan: 8.Rasta Karor Ekar Noy 10.,Noon 6.,Baborer Prarthona .

PREBOARDS : FULL SYLLABUS AS PER THE SCOPE OF ISC 2025.

Section A(Language 40 Marks)

1.Essay (15 Marks)

2.Comprehension (15Marks)

3.Grammar (10Marks)

BananSuddho ,Bakya Sanshodhan,Dhannatak Shobdo

Idioms,Transformation of sentences,voice change,direct –indirect speech ,sadhu chalit,one word for many

Section B (Literature 40 Marks)

Koni (Novel) Chapters-12 ,13 ,14.

Probondho O-Godya Sankalan:

9. Ekti Tulsi Gacher Kahini10.,Na Paharer Porikkha.

3.Kobita Sankalan :

7.Jodi Nirbason Dao , 9 .Swadhinata Tumi.

Note The Syllabus given is for the theory paper which consists of 80 marks .The remaining 20 marks will be tested on project : Listening ,Speaking and writing skills.

Full ISC Syllabus for the Preboard Examination.

COMPUTER SCIENCE

TEXT BOOK : COMPUTER SCIENCE WITH JAVA - CLASS XII - SUMITA ARORA - D. RAI PUBLICATION

MID TERM 1

1. PROPOSITIONAL LOGIC
2. COMPUTER HARDWARE - UPTO XNOR, ADDERS
3. OBJECTS AND CLASSES
4. JAVA REVISION TOUR
5. PRIMITIVE VALUES, TYPE CASTING AND EXPRESSION
6. STATEMENTS, CONTROL STRUCTURE & SCOPE
7. FUNCTIONS/METHODS
8. ARRAYS AND STRINGS
10. JAVA CLASSES - OOP PERSPECTIVE
11. RECURSION

PLUS : Topic 3 - ISC Syllabus - Implementation of Algorithm to solve problems

HALF YEARLY

1. PROPOSITIONAL LOGIC
2. COMPUTER HARDWARE - UPTO XNOR, ADDERS
3. OBJECTS AND CLASSES
4. JAVA REVISION TOUR
5. PRIMITIVE VALUES, TYPE CASTING AND EXPRESSION
6. STATEMENTS, CONTROL STRUCTURE & SCOPE
7. FUNCTIONS/METHODS
8. ARRAYS AND STRINGS
10. JAVA CLASSES - OOP PERSPECTIVE
11. RECURSION
13. SIMPLE DS - STACK & QUEUE

PLUS : Topic 3 - ISC Syllabus - Implementation of Algorithm to solve problems

PRE-BOARDS

Full Syllabus as per the Scope of ISC 2025.

1. PROPOSITIONAL LOGIC
2. COMPUTER HARDWARE - UPTO XNOR, ADDERS
3. OBJECTS AND CLASSES
4. JAVA REVISION TOUR
5. PRIMITIVE VALUES, TYPE CASTING AND EXPRESSION
6. STATEMENTS, CONTROL STRUCTURE & SCOPE
7. FUNCTIONS/METHODS
8. ARRAYS AND STRINGS
10. JAVA CLASSES - OOP PERSPECTIVE
11. RECURSION
12. CONCEPT OF INHERITANCE
13. SIMPLE DATA STRUCTURES
14. RECURSIVE DATA STRUCTURES
15. COMPUTATIONAL COMPLEXITY

PLUS : Topic 3 - ISC Syllabus - Implementation of Algorithm to solve problems

Project Work/ Year's Assessment A total of 25 programs with algorithm and data list are needed.