

ST. JOSEPH'S COLLEGE
SESSION 2026-2027
SYLLABUS FOR CLASS 12

ENGLISH LANGUAGE- TOTAL ENGLISH BOOK 11

MID TERM 1

Proposal writing , 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.

PREBOARDS:

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

- Macbeth: William Shakespeare - Act III Scene I
- The Cookie Lady – Philip K. Dick
- 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

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

ISC 2026

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
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1. Telephone Conversation – Wole Soyinka
2. Tithonus – Alfred, Lord Tennyson
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.

CLASS-12A/B (SCIENCE)/(COMMERCE)

MATHEMATICS(860)

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

MID TERM 1

- 2.INVERSE TRIGONOMETRIC FUNCTIONS.
- 3.MATRICES
- 4.DETERMINANTS
- 5.CONTINUITY

Continuity of a function at a point $x = a$., Continuity of a function in an interval, Algebra of continuous function, Removable discontinuity. Types of removable discontinuity.

HALF YEARLY

- 1.RELATIONS AND FUNCTIONS
- 2.INVERSE TRIGONOMETRIC FUNCTIONS
- 3.MATRICES
- 4.DETERMINANTS
- 5.CONTINUITY AND DIFFERENTIABILITY
- 6.APPLICATION OF DERIVATIVES
 - TANGENT AND NORMAL
 - RATE MEASURE
 - INCREASING AND DECREASING FUNCTION
 - MAXIMA AND MINIMA
7. INTEGRALS
 - INDEFINITE INTEGRAL
- 10.VECTOR ALGEBRA
- 12.LINEAR PROGRAMMING
- 13.PROBABILITY
 - CONDITIONAL PROBABILITY.
 - MULTIPLICATION THEOREM ON PROBABILITY & INDEPENDENT EVENTS.
 - TOTAL PROBABILITY

PRE BOARD

- 7.INTEGRALS
 - DEFINITE INTEGRAL
- 8.APPLICATIONS OF INTEGRALS
- 9.DIFFERENTIAL EQUATIONS
- 11.THREE DIMENSIONAL GEOMETRY
- 13.PROBABILITY
 - BAYES' THEOREM
 - RANDOM VARIABLE AND ITS PROBABILITY DISTRIBUTION,MEAN OF RANDOM VARIABLE.

PLEASE NOTE IN THE PRE BOARD ALL CHAPTERS FROM MID TERM 1, HALF YEARLY ARE ALSO INCLUDED.

Please note syllabus is subject to change as per the scope of the council syllabus for mathematics(860) of class 12 for the academic year(2026-2027)

12A/12B(2026-2027)

Candidates will be expected to have completed two projects.

List of suggested assignments for Project Work for the first topic.(Any one)

1. Using a graph, demonstrate a function which is one-one but not onto.
2. Using a graph demonstrate a function which is invertible.
3. Explain the concepts of increasing and decreasing functions, using geometrical significance of dy/dx . Illustrate with proper examples.
4. Illustrate the concept of definite integral , expressing as the limit of a sum and verify it by actual integration.
5. Explain the conditional probability, the theorem of total probability and the concept of Bayes' theorem with suitable examples.

Date of submission of first topic of Mathematics project-17.06.2026

List of suggested assignments for Project Work for the second topic.(Any one)

- 1.Find the area bounded by a parabola and an oblique line.
2. Find the area bounded by a circle and an oblique line.
3. Find the area bounded by an ellipse and an oblique line.
4. Find the area bounded by a circle and a circle.
5. Find the area bounded by a parabola and a parabola.
6. Find the area bounded by a circle and a parabola.
7. Using vector algebra, find the area of a parallelogram/triangle. Also, derive the area analytically and verify the same.
- 8.Using any suitable data, find the minimum cost by applying the concept of Transportation problem.
- 9.Using any suitable data, find the minimum cost and maximum nutritional value by applying the concept of Diet problem.

10.Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).

Date of submission of second topic of Mathematics project-17.08.2026
Please note two topics to be submitted in one file.(31.08.2026)

THE SEQUENCE OF THE PAGES IN THE PROJECT IS AS FOLLOWS:

1.COVER PAGE

2.INDEX PAGE

3.TITLE OF THE PROJECT

4.AIMS AND OBJECTIVES

5.PREVIOUS KNOWLEDGE

6.CONTENT

7.CONCLUSION

STEPS 3 TO 7 WILL REPEAT FOR SECOND PROJECT ALSO.

8.ACKNOWLEDGEMENT

9.BIBLOGRAPHY

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 Accounts – Modes & Valuation

Section B

3. Ratio Analysis
4. Financial Statement Analysis – Comparative & Common-Size Statements
5. Cash Flow Statement

HALF YEARLY

Section A

1. Partnership Fundamental – Profit & Loss Appropriation
2. Goodwill Accounts – Modes & 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 2027 will include All Chapters as per the scope of syllabus of ISC 2027.

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 2027 will include All Chapters as per the scope of syllabus of ISC 2027.

CHEMISTRY

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

MID TERM 1

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

HALF YEARLY

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*

PREBOARDS

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 2026 SPECIMEN PAPER.
FULL SYLLABUS AS PER ISC 2026**

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 2026S

1. Optics
2. Atoms and Nuclei

BIOLOGY

ISC BIOLOGY CLASS XII DR.S.C.TRIPATHI (Balaji Publication)

MID TERM 1

Unit 2

- i) Principles Of Inheritance And Variation

Unit 3

- i) Human Health And Diseases
- ii) Microbes in Human Welfare

HALF YEARLY

Unit 1

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

Unit 2

- i) Principles Of Inheritance And Variation
- ii) Molecular Basis Of Inheritance

Unit 3

- i) Human Health And Diseases
- ii) Microbes in Human Welfare

Unit 4

- i) Biotechnology :Principles And Processes

Unit 5

- i) Organisms And Populations

PREBOARDS-

Full syllabus as per the scope of the syllabus 2027.

Unit 2

- iii) Evolution

Unit 4

- ii) Biotechnology And Applications

Unit 5

- ii) Ecosystem
- iii) Biodiversity And Its Conservation

QUESTION PAPER FORMAT AS PER ISC 2026 SPECIMEN PAPER

BUSINESS STUDIES

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

MID TERM 1

- Ch 1. Introduction to Human Resource Management

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 2027

- 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 for CLASS XII - 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
- 15 Chapter 17: Government Budget

PREBOARDS - Full Syllabus as per the Scope of ISC 2026.

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

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

Syllabus framed as per the scope of ISC 2027 syllabus

HINDI

Vyakaran Manjusha
Gadya Sankalan
Kavya Manjari
Aashad Ka Ek Din

MID TERM 1

Literature

Ch:7 Kya Nirash hua Jai? Ch:6.Tulsidas ke Pad

Grammar

1. Correct sentence 2. Idioms

HALF YEARLY

Section A: Language).

Essay. (400 words).

Comprehension.

Grammar.

Vyakaran Manjusha.

1. Correct sentence 2. Idioms

Section: B (Literature).

Gadya Sankalan

Ch:7 Kya Nirash hua jai? Ch:8 Bhaktin Ch:9 Sanskriti kya hai?

Kavya Manjari

Ch:6. Tulsidas ke Pad Ch:7 Jaag Tujhko dur jana hai Ch:8. Udaymi 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

Full Syllabus as per the Scope of ISC 2026.

Section: A (Language).

Essay. (400 words).

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

Chapter10:Andhere Ka Deepak

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

- 1. Probondho Sankolon**
- 2. Kobita Sankolon**
- 3. Koni**
- 4. Grammar**

MID TERM 1

- Probondho Sankolon- Adab
- Kobita Sankolon- Jodi Nirbason Dao
- Koni- Chapter 8
- Grammar – Vakya and Vaccho poriborton, Direct and Indirect speech, One Word.

HALF YEARLY

- Probondho Sankolon- Adab,Lachmaner Maa,Ektu Tulsi gacher kahini.
- Kobita Sankolon- Jodi Nirbason Dao, Rasta karor ekar noy, Swadhinota tumi.
- Koni – Chapter 8 to Chapter 11
- Grammar – Comprehension, Essay, Spelling, Sentence Correction,Vakya and Vaccho poriborton, Direct and Indirect speech, One Word, Sadhu cholit,Baghdhara, Dwonnyattok shobdo.

PRE BOARDS

- Probondho Sankolon-Na paharar Porikkha.
- Kobita Sankolon- Nun
- Koni- Chapter 12 to chapter 14
- Grammar – Comprehension, Essay, Spelling, Sentence Correction,Vakya and Vaccho poriborton, Direct and Indirect speech, One Word, Sadhu cholit, Baghdhara, Dwonnyattok shobdo.
- *Pre board examination ISC full syllabus. Class 11 and 12 full syllabus

COMPUTER SCIENCE

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

MID TERM 1 EXAMINATION

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

CH 12. CONCEPT OF INHERITANCE

CH 13. SIMPLE DATA STRUCTURE - STACK

NOTE: Topic 3 - ISC Syllabus - Implementation of Algorithm to solve problems – INCLUDED

HALF YEARLY EXAMINATION

CH 1. PROPOSITIONAL LOGIC

CH 2. COMPUTER HARDWARE - including ENCODER

CH 3. OBJECTS AND CLASSES

CH 4. JAVA REVISION TOUR

CH 5. PRIMITIVE VALUES, TYPE CASTING AND EXPRESSION

CH 6. STATEMENTS, CONTROL STRUCT & SCOPE

CH 7. FUNCTIONS/METHODS

CH 8. ARRAYS AND STRINGS

CH 10. JAVA CLASSES - OOP PERSPECTIVE

CH 11. RECURSION

CH 12. CONCEPT OF INHERITANCE

CH 13. SIMPLE DATA STRUCTURE - STACK & QUEUE

CH 15. COMPUTATIONAL COMPLEXITY - conceptual

NOTE: Topic 3 - ISC Syllabus - Implementation of Algorithm to solve problems – INCLUDED

PRELIMINARY EXAMINATION

CH 1. PROPOSITIONAL LOGIC

CH 2. COMPUTER HARDWARE

CH 3. OBJECTS AND CLASSES

CH 4. JAVA REVISION TOUR

CH 5. PRIMITIVE VALUES, TYPE CASTING AND EXPRESSION

CH 6. STATEMENTS, CONTROL STRUCT & SCOPE

CH 7. FUNCTIONS/METHODS

CH 8. ARRAYS AND STRINGS

CH 10. JAVA CLASSES - OOP PERSPECTIVE

CH 11. RECURSION

CH 12. CONCEPT OF INHERITANCE

CH 13. SIMPLE DATA STRUCTURE

CH 14. RECURSIVE DATA STRUCTURE

CH 15. COMPUTATIONAL COMPLEXITY

NOTE: Topic 3 - ISC Syllabus - Implementation of Algorithm to solve problems – INCLUDED

PROJECT WORK/ YEAR'S ASSESSMENT t: Minimum of 25 laboratory assignments (with algorithm and data list) during the entire academic year.