

ST. JOSEPH'S COLLEGE
SESSION 2026-2027
SYLLABUS FOR CLASS 11

ENGLISH LANGUAGE- TOTAL ENGLISH BOOK 11

MID-TERM 1

1. Directed Writing-15 Marks

2. Proposal Writing-10 Marks

HALF-YEARLY:

Question One:

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

The choice may normally include: Narrative, Descriptive, Reflective, Argumentative/Persuasive, Expository topics and original Short Story.

Question Two:

(a) Directed writing based on suggested points:

The piece of directed writing must be based on the information and all the points provided. The required length is 250-300 words. The range of subjects includes **feature article, book review, blogs, newspaper report, and statement of purpose.**

Skills such as amplifying, describing and re-stating are involved. The candidates' ability in the above skills, including format, will be taken into account as well as their ability to handle language appropriately in the context of the given situation.

(b) Proposal Writing

Candidates will be required to write a proposal based on a given situation. The proposal should include (i) An Introduction/Heading (ii) Objectives (iii) List of measures to be taken. A concluding statement is necessary. The format prescribed by the CISCE must be followed. The candidates will also be marked on linguistic ability.

Question Three:

All the items in this question are compulsory and their number and type/ pattern may vary from year to year. They will consist of the transformation of sentences, phrasal verbs, and verbs/tenses, which will test the candidates' knowledge of the essentials of functional English grammar and structure.

Question Four:

A passage of about 700 words will be provided.

Questions based on the passage will be as follows:

- Questions that test the candidates' analytical skills, knowledge of vocabulary, ability to understand the content, infer information and meanings from the text.
- A question that elicits the main ideas of all or part of the passage, where the candidate will be required to frame a summary (keeping to a word limit), in a coherent manner. Marks will be awarded for expression and the candidate's ability to summarise clearly in complete sentences. Marks will be deducted for linguistic errors.

NOTE: This part must be done in the grid form. The use of abbreviations and contractions will not be accepted.

MID-TERM II:

i) Directed Writing-15 marks

ii) Grammar-10 Marks

FINAL TERM:

Question One:

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

The choice may normally include: Narrative, Descriptive, Reflective, Argumentative/Persuasive, Expository topics and original Short Story.

Question Two:

(a)Directed writing based on suggested points:

The piece of directed writing must be based on the information and all the points provided. The required length is 250-300 words. The range of subjects includes **feature article, book review, blogs, newspaper report, and statement of purpose.**

Skills such as amplifying, describing and re-stating are involved. The candidates' ability in the above skills, including format, will be taken into account as well as their ability to handle language appropriately in the context of the given situation.

(b)Proposal Writing

Candidates will be required to write a proposal based on a given situation. The proposal should include (i) An Introduction/Heading (ii) Objectives (iii) List of measures to be taken. A concluding statement is necessary. The format prescribed by the CISCE must be followed. The candidates will also be marked on linguistic ability.

Question Three:

All the items in this question are compulsory and their number and type/ pattern may vary from year to year. They will consist of the transformation of sentences, phrasal verbs, and verbs/tenses, which will test the candidates' knowledge of the essentials of functional English grammar and structure.

Question Four:

A passage of about 700 words will be provided.

Questions based on the passage will be as follows:

- Questions that test the candidates' analytical skills, knowledge of vocabulary, ability to understand the content, infer information and meanings from the text.
- A question that elicits the main ideas of all or part of the passage, where the candidate will be required to frame a summary (keeping to a word limit), in a coherent manner. Marks will be awarded for expression and the candidate's ability to summarise clearly in complete sentences. Marks will be deducted for linguistic errors.

NOTE: This part must be done in the grid form. The use of abbreviations and contractions will not be accepted.

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 and Speaking Skills.

Note: The Syllabus is subjected to change

ENGLISH LITERATURE

MID TERM 1

Macbeth-Act 1 Sc1,2

Poem-Why I like the Hospital

HALF YEARLY

Drama:

Macbeth- Act 1 Sc1 to Act 1 Sc 6

Prose: Prism

A Living God- Lafcadio Hearn

Advice to Youth-Mark Twain

The Paper Menagerie - Ken Liu

Poetry: Rhapsody

Abhisara- The Tryst- Rabindranath Tagore
Why I like the hospital- Tony Hoagland
Sonnet 116-William Shakespeare

MID TERM 2

Thank You, Ma'am- Langston Hughes
Death of a Naturalist- Seamus Heaney

FINAL TERM

Drama

Macbeth - Act 1 Sc 1 to Act 2 Sc 4

Prose:Prism

A Living God- Lafcadio Hearn
Advice to Youth-Mark Twain
The Paper Menagerie - Ken Liu
The Great Automatic Grammatizator- Roald Dahl
Thank You, Ma'am- Langston Hughes

Poetry : Rhapsody

Abhisara- The Tryst- Rabindranath Tagore
Why I like the hospital- Tony Hoagland
Sonnet 116-William Shakespeare
Death of a Naturalist- Seamus Heaney
Strange Meeting- Wilfred Owen

Note: The Syllabus is subjected to change

CLASS-11A/B (SCIENCE)/(COMMERCE)

MATHEMATICS(860)

UNDERSTANDING ISC MATHEMATICS CLASS XI , BY M.L.AGARWAL

MID TERM 1

- 5.Complex Numbers(Excluding Polar Representation Of Complex Number)
- 6.Quadratic Equations
7. Inequalities

HALF YEARLY

- 1.Sets
- 2.Relations And Functions
- 3.Trigonometry
4. Sequence And Series
- 5.Complex Numbers
- 6.Quadratic Equations
7. Inequalities
- 8.Statistics
- 9.Straight Lines

MID TERM 2

- 3.Trigonometry

10. Permutations And Combinations

11. Binomial Theorem.

FINAL TERM

12. Circles

13. Conic Section (Parabola, Ellipse and Hyperbola)

14. Introduction To Three- Dimensional Geometry

15. Limits And Derivatives

16. Probability

PLEASE NOTE IN THE FINAL TERM ALL CHAPTERS FROM MID TERM 1, HALF YEARLY AND MID TERM 2 ARE ALSO INCLUDED.

Please note syllabus is subject to change as per the scope of the council syllabus for mathematics(860) of class 11 for the academic year(2026-2027)

MATHEMATICS(860) PAPER II – PROJECT WORK – 20 Marks

CLASS-

11A/B(2026-2027)

Candidates will be expected to have completed two projects in two terms.

1. Draw the graph of quadratic function $\square(x)=ax^2+bx+c$

Date of submission of first topic of Mathematics project-22.06.2026

2. From the graph of (1) find maximum/minimum value of the function. Also determine the sign of the expression.

Date of submission of first topic (combining 1 and 2) of Mathematics project-31.08.2026

3. Let S and S1 be two (non-concentric) circles with centres A, B and radii r_1, r_2 and d be the distance between their centres. Relation between r_1, r_2 and d with respect to relative position of two circles.

Date of submission of second topic(3) of Mathematics project-30.11.2026

Please note two topics to be submitted in one file.

Date of submission of both the topics in one file:11.01.2027

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

APPLIED MATHEMATICS (885) PAPER- I (THEORY)

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

MID TERM 1

1. SETS
2. RELATION AND FUNCTIONS
3. SEQUENCE AND SERIES
4. TRIGONOMETRY : ANGLES AND ARC LENGTHS, TRIGONOMETRIC FUNCTIONS.

HALF YEARLY

1. TRIGONOMETRY : COMPOUND ANGLES
2. LOGARITHM
3. EQUATION OF STRAIGHT LINE
4. TRIGONOMETRY : PRODUCT TO SUM OR DIFFERENCE
5. QUADRATIC EQUATIONS
6. INEQUALITIES
7. TRIGONOMETRY : MULTIPLE ANGLES
8. COMPLEX NUMBERS
9. FINANCIAL MATHEMATICS
10. SETS (MT1)
11. RELATION AND FUNCTIONS (MT1)
12. SEQUENCE AND SERIES (MT1)
13. TRIGONOMETRY : ANGLES AND ARC LENGTHS, TRIGONOMETRIC FUNCTIONS. (MT1)

MID TERM 2

1. PERMUTATIONS AND COMBINATIONS
2. BINOMIAL THEOREM
3. RELATION AND FUNCTIONS (HY)
4. TRIGONOMETRY : MULTIPLE ANGLES (HY)

FINAL TERM

1. CIRCLE
2. LIMITS AND DERIVATIVES
3. STATISTICAL METHODS AND PROBABILITY
4. MATHEMATICAL REASONING
5. PARABOLA
6. ALL OTHER TOPICS AS PER THE SCOPE OF SYLLABUS OF ISC 2028 CLASS XI.

ACCOUNTS

DOUBLE ENTRY BOOK KEEPING –XI(ISC) SULTAN CHAND BY T.S. GREWAL

MID TERM 1

1. Introduction to Accounting
2. Basic Terminology of Accounting
3. Journal and Ledger
4. Cash Book and Petty Cash Book

HALF YEARLY

4. Introduction to Accounting
5. Basic Terminology of Accounting
6. Journal and Ledger
7. Cash Book and Petty Cash Book
8. Sub division of Journal
9. Bank Reconciliation Statement
10. Trial balance
11. Rectification of Error
12. Bills of Exchange
13. Capital and Revenue Income/Expenditure

MID TERM 2

1. Rectification of Error
2. Final Accounts
3. Capital and Revenue Income/Expenditure

FINAL TERM

1. Final Accounts
2. Accounting for Non- Profit Organisation
3. Depreciation
4. Capital and Revenue Income/Expenditure

Note:- Final Term Assessment 2027 will include All Chapters as per the scope of syllabus of ISC 2028.

ECONOMICS

FRANK ISC ECONOMICS for CLASS XI - BY D.K. SETHI & U. ANDREWS

MID TERM I –

Chapter 1 – Definition of Economics

Chapter 2 – Basic Concepts of Economics

Chapter 3 – Basic Problems of an Economy

Chapter 4 – Types of Economies

HALF YEARLY –

Chapter 1 – Definition of Economics

Chapter 2 – Basic Concepts of Economics

Chapter 3 – Basic Problems of an Economy

Chapter 4 – Types of Economies

Chapter 5 – Solutions to the Basic Problems under Different Economic Systems

Chapter 6 – Economic Growth and Development

Chapter 7 – Parameters of Development

Chapter 8 – Sustainable Development

Chapter 9 – Planning and Development

Chapter 10 – Indian Economy Post Liberalisation

Chapter 11 – Structural Changes in the Indian Economy after Liberalisation

Chapter 16 – Definition, Scope, Importance and Limitations of Statistics

Chapter 17 – Collection, Organisation and Presentation of Data
Chapter 18 – Measures of Central Tendency
Chapter 19 – Measures of Dispersion

MID TERM 2 –

Chapter 12 – The Problem of Poverty in India
Chapter 11 – Structural Changes in the Indian Economy after Liberalisation
Chapter 18 – Measures of Central Tendency
Chapter 19 – Measures of Dispersion

FINAL TERM –

Chapter 12 – The Problem of Poverty in India
Chapter 13 – Rural Development
Chapter 14 – Human Capital Formation in India
Chapter 15 – Unemployment in India
Chapter 20 – Correlation
Chapter 21 – Index Numbers
Chapter 22 – Some Mathematical tools used in Economics

Note:- Final Term Assessment 2026-27 will include All Chapters as per the scope of syllabus of ISC 2028

BUSINESS STUDIES (857)

ISC BUSINESS STUDIES XI BY O.P GUPTA (GOYAL BROTHERS PRAKASHAN)

MID TERM 1

Chap - 1 Business - Meaning , Features and Objectives of Business
Chap -2 Classification of Business Activities
Chap -3 Business Ethics and Corporate Social Responsibility
Chap -4 Forms of Business Organisation

HALF YEARLY

Chap - 1 Business - Meaning , Features and Objectives of Business
Chap -2 Classification of Business Activities
Chap -3 Business Ethics and Corporate Social Responsibility
Chap -4 Forms of Business Organisation
Chap -5 Sole Proprietorship
Chap -6 Partnership
Chap -7 Joint Stock Company
Chap -8 Formation of Companies
Chap -9 Co-operative Organisation
Chap -10 Public Sector Undertakings and Global Enterprises

MID TERM 2

Chap - 11 e-Business : Scope , Benefits and E-merging Technologies
Chap - 12 e-Commerce and Artificial Intelligence
Chap - 13 e-Banking : On Line Services and Digital Banking
Chap - 14 Wholesale Trade

FINAL TERM

Note :-Final Term Assessment 2027 will include All Chapters as per the scope of syllabus of ISC 2028.

Chapter 1 - Chapter 17

PHYSICS

NOOTAN PHYSICS FOR ISC – XI

MID TERM 1

1. Physical World and Measurement
2. Kinematics

HALF YEARLY

3. Physical World and Measurement
4. Kinematics
5. Laws of Motion
6. Work, Energy and Power
7. Motion of System of particles and Rigid Body

MID TERM 2

1. Gravitation
2. Bulk properties of Matter

FINAL TERM - Full Syllabus as per the Scope of CLASS 11

1. Heat and Thermodynamics
2. Behaviour of Perfect Gases and Kinetic theory of Gases
3. Oscillation and Waves

CHEMISTRY

ISC Chemistry (Class XI) (Dr. H. C. Srivastava) Nageen Prak.

ISC Practical Chemistry Class XI (V.C.Garg) Pitambar

MID TERM 1

1. STRUCTURE OF ATOM (MT1)
2. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES (MT1)

HALF YEARLY

1. BASIC CONCEPTS OF CHEMISTRY
2. STRUCTURE OF ATOM (MT1)
3. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES (MT1)
4. CHEMICAL BONDING AND MOLECULAR STRUCTURE
5. ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUE
HYDROCARBON

MID TERM 2

1. EQUILIBRIUM (MT2)
2. CHEMICAL THERMODYNAMICS(MT2)

FINAL TERM

1. BASIC CONCEPTS OF CHEMISTRY
2. STRUCTURE OF ATOM
3. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES
4. CHEMICAL BONDING AND MOLECULAR STRUCTURE

5. CHEMICAL THERMODYNAMICS
6. EQUILIBRIUM (MT2)
7. REDOX REACTION
8. ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUE
9. HYDROCARBON

**Final Term question paper includes both First Term and Final Term chapters.
Pattern of question paper is in accordance with the ISC Specimen paper published by CISCE.**

BIOLOGY

ISC –CLASS 11 BIOLOGY DR S.C TRIPATHI BALAJI PUBLICATION

MID TERM 1

UNIT 5. Human Physiology

- (i) Breathing and exchange of gases
- (ii) Body fluids and Circulation

HALF YEARLY

UNIT 1. Diversity of Living organisms

- (i) The Living World
- (ii) Biological Classification
- (iii) Plant kingdom

UNIT 2. Structural Organization in Animals and Plants

- (i) Morphology of Flowering Plant

UNIT 3. Cell Structure and Function

- (i) Cell - The Unit of Life

UNIT 4. Plant Physiology

- (iii) Photosynthesis in higher plants
- (iv) Respiration in Plants

UNIT 5. Human Physiology

- (i) Breathing and exchange of gases
- (ii) Body fluids and Circulation
- (iii) Excretory products and their elimination

MID TERM 2

UNIT 3. Cell Structure and Function

- (ii) Biomolecules
- iii) Cell cycle and Cell Division

FINAL TERM

UNIT 1. Diversity of Living organisms

- (iv) Animal Kingdom

UNIT 2. Structural Organization in Animals and Plants

- (ii) Anatomy of Flowering Plants
- (iii) Structural Organization in Animals

sUNIT 3. Cell Structure and Function

- (ii) Biomolecules
- iii) Cell cycle and Cell Division

UNIT 4. Plant Physiology

(v) Plant Growth and Development

UNIT 5. Human Physiology

(v)Locomotion and movement (vi)Neural control and co-ordination

(vii)Chemical Coordination and Integration

Final Term question paper includes both Half yearly and Final Term chapters.

Pattern of question paper is in accordance with the ISC Specimen paper published by CISCE.

ENTREPRENEURSHIP

ISC ENTREPRENEURSHIP CLASS XI BY SUMAN LATA (GOEL BROTHERS PRAKASHAN)

MID TERM 1

Chapter 1: Entrepreneur

Chapter 2: Entrepreneurial Motivation

Chapter 3: Entrepreneurship , Innovation, and Intrapreneurship

Chapter 4 : Business Ideas

HALF YEARLY

Chapter 1: Entrepreneur

Chapter 2: Entrepreneurial Motivation

Chapter 3: Entrepreneurship , Innovation and Intrapreneurship

Chapter 4: Business Ideas

Chapter 5: Assessing Business Attractiveness

Chapter 6 : Business Plan and Start -Ups

Chapter 7 : Sustainable Development

Chapter 8 : Business Ethics

MID TERM 2

Chapter 9 : Key Acts and Regulations Governing Entrepreneurship in India

Chapter 10 : Governing Support for Entrepreneurs

Chapter 7: Sustainable Development

Chapter 8 : Business Ethics

FINAL TERM

Note :- Final Term Assessment 2027 will include All Chapters as per the scope of syllabus of ISC 2028.

Chapter 1 - Chapter 12

HINDI

VYAKARAN MANJUSHA

GADYA SANKALAN

KAVYA MANJARI

AASHAD KA EK DIN

MID TERM 1

Literature

1. Putra Prem 2.Sakhi

Grammar

1. Correct sentence 2. Idioms

HALF YEARLY :

Section :A(Language).

Essay. (400words).

Comprehension.

Grammar. : Vyakaran Manjusha.

1. Correct sentence 2. Idioms

Section: B(Literature)

Gadya Sankalan

Ch:1 Putra prem Ch:2 Gauri Ch:3. Sharanagat

Kavya Manjari

Ch:1. Sakhi Ch:2. Baal leela Ch:3. Ek phool ki chah

Aashad ka ek din: Anka -1(Act-1)

MID TERM 2

Literature

Ch:4 Sati

Ch.4 Aa Dharti Kitna Deti Hai

Grammar

Essay

FINAL TERM

Final term

Section. :A(Language).

Essay. (400words).

Comprehension.

Grammar. : Vyakaran Manjusha.

1. Correct sentence
2. Idioms

Section.: B(Literature).

Gadya Sankalan

Ch:4 Sati

Ch:5. Outsider

(Questions will come from ch.1 to ch.5)

Kavya Manjari

Ch:4 Aa dharati kitna deti hai

Ch:5 Nadi ke dweep

(Questions will come from ch.1 to ch.5)

(Questions will come from Act 1)

(Syllabus First Term is included in the Second Term.)

BENGALI

1. Probandho Sankolon

2. Kobita Sankolon

3. Koni

4. Grammar

MID TERM 1

Probondho Sankolon- Thakurda

Kobita Sankolon – Ora kaj kore

Grammar – Dwonnyattok shobdo, Direct and Indirect speech, One word.

HALF YEARLY

Probondho Sankolon- Thakurda, Jora sankor dhare,Taser Ghor.

Kobita Sankolon – Ora kaj kore, Pub Poschim,

Koni- Chapter 1 to Chapter 4.

Grammar – Comprehension , Essay, Spelling, Sentence Correction, Vakya and Vaccho poriborton, Sadhu- Cholit, Direct and Indirect speech, Dwonnyattok Shobdo, One word, Bagdhara.

MID TERM 2

Probondho Sankolon- Anachar.

Kobita Sankolon- Barnoporichoy.

Koni- Chapter 5

Grammar – Spelling and Sentence Correction.

FINAL TERM

Probondho Sankolon-Record

Kobita Sankolon- Salemoner maa,Banalota Sen.

Koni- Chapter 5 to Chapter 8

Grammar – Comprehension , Essay, Spelling, Sentence Correction, Vakya and Vaccho poriborton, Sadhu- Cholit, Direct and Indirect speech, Dwonnyattok

Shobdo, One word, Bagdhara.

For Final Examination Full syllabus included .

COMPUTER SCIENCE (SCIENCE & COMMERCE)

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

MID TERM 1

CH 1. DATA REPRESENTATION – excluding Binary Arithmetic

CH 3. GENERAL OOP CONCEPTS

CH 4. INTRODUCING JAVA

CH 5. JAVA FUNDAMENTALS

CH 6. FLOW OF CONTROL

CH 7. CLASSES IN JAVA

CH 8. FUNCTIONS -excluding 8.11 to 8.17

HALF YEARLY

CH 1. DATA REPRESENTATION

CH 2. PROPOSITIONAL LOGIC & HARDWARE - including Fundamental Logic Gates

CH 3. GENERAL OOP CONCEPTS

CH 4. INTRODUCING JAVA

CH 5. JAVA FUNDAMENTALS

CH 6. FLOW OF CONTROL
CH 7. CLASSES IN JAVA
CH 8. FUNCTIONS
CH 10. USING LIBRARY CLASSES & PACKAGES – String Manipulation
CH 11. ARRAY - SD
CH 13. TRENDS IN COMPUTING - Introduction

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

PROJECT WORK:

1. One Project as per Council guidelines
2. Ten laboratory assignments during the First Term of academic year.

MID TERM 2

CH 2. PROPOSITIONAL LOGIC & HARDWARE - Excluding XOR, XNOR, Universal Gates
CH 3. GENERAL OOP CONCEPTS
CH 4. INTRODUCING JAVA
CH 5. JAVA FUNDAMENTALS
CH 6. FLOW OF CONTROL
CH 7. CLASSES IN JAVA
CH 8. FUNCTIONS
CH 10. USING LIBRARY CLASSES & PACKAGES – Wrapper Classes & String Manipulation
CH 11. ARRAY – including 2-D -Basic application
CH 13. TRENDS IN COMPUTING & ETHICAL ISSUES

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

FINAL TERM

CH 1. DATA REPRESENTATION
CH 2. PROPOSITIONAL LOGIC & HARDWARE
CH 3. GENERAL OOP CONCEPTS
CH 4. INTRODUCING JAVA
CH 5. JAVA FUNDAMENTALS
CH 6. FLOW OF CONTROL
CH 7. CLASSES IN JAVA
CH 8. FUNCTIONS
CH 9. PROGRAM ERROR TYPES & BASIC EXCEPTION HANDLING
CH 10. USING LIBRARY CLASSES & PACKAGES
CH 11. ARRAY
CH 12. FILE HANDLING
CH 13. TRENDS IN COMPUTING & ETHICAL ISSUES

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

PROJECT WORK: Additional 15 laboratory assignments during the Second Term of academic year.