

CALCUTTA PUBLIC SCHOOL CLASS: XII

SYLLABUS: 2024-25

ENGLISH I

TERM 1	TERM 2
Syllabus:- Grammar as per ISC Scope 2025,	Syllabus:- Grammar as per ISC Scope 2025,
Composition, Comprehension, Directed Writing, Proposal Writing	Composition, Comprehension, Directed Writing, Proposal Writing.
Unit Test Directed Writing [Report Writing], grammar as per ISC Scope 2025.	Selection Examination: As per ISC scope 2025
Half Yearly Examination: Grammar as per ISC Scope 2025, Composition, Comprehension, Directed Writing, Proposal Writing.	
Internal Assessment:	
Oral – 24 th July to 29 th July 2024 Aural – 30 th July 2024	



ENGLISH II

TERM 1

Syllabus:-_Drama: Macbeth – William Shakespeare Act IV [Scenes 1-3], Act V [Scene 1 - 7 / Lines are to be covered as per teaching days available].

Rhapsody A Collection of ISC Poems: Unit 11. Telephone Conversation, Unit 12. Tithonus, Unit 13. Beethoven,

Unit 14. Small Towns and the Rivers.

Prism A Collection of ISC Prose: Chapter 11. Atithi/ Guest, Chapter 12. The Cookie Lady, Chapter 13. There Will Come Soft Rains, Unit 14. Indigo.

Unit Test 1

Drama: Macbeth – Act IV [Scene 1-3]. Rhapsody A Collection of ISC Poems: Unit 11. Telephone Conversation. Prism A Collection of ISC Prose: Chapter 12. The Cookie Lady.

Half Yearly Examination

Drama: Macbeth – William Shakespeare Act III (All the scenes), Act IV [Scene 1-3], Act V [Scene I – 7 / Lines are to be covered as per teaching days available].

Rhapsody A Collection of ISC Poems: Unit 11. Telephone Conversation, Unit 12. Tithonus, Unit 13. Beethoven,

Unit 14. Small Towns and the Rivers.
Prism A Collection of ISC Prose: Chapter 11.
Atithi/ Guest, Chapter 12. The Cookie Lady,
Chapter 13. There Will Come Soft Rains, Unit
14.Indigo.

Internal Assessment: As per ISC SCOPE 2025.

Submission Date – 21.06.2024.

TERM 2

Syllabus: Drama: Macbeth – William Shakespeare Act V [Scene 8 - 9] Rhapsody A

Collection of ISC Poems: Unit 15.

Death Be Not Proud.

Prism A Collection of ISC Prose: Chapter 15.

The Medicine Bag.

Internal Assessment: As per ISC Scope 2025. Project on Literature and Language Submission Date – 18.11.2024.

Selection Examination: As per ISC Scope

2025



MATHEMATICS_ <u>TextBook</u>:ISC Mathematics for Class XII BookII O.P.Malhotra, S.K. Gupta, Anubhuti Gangal

TERM 1	TERM 2
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Unit Test 1	Syllabus:
1. Relations [Ex 1]	1. Baye's Theorem [Ex 19]
2. Functions [Ex 2(a-c)]	2. Linear Programming [Ex. 28(a - c)]
3. Inverse Trigonometric Functions [Ex 4]	3.The Plane [Ex.24 (a-f)]
4. Determinants [Ex 5(a-d)]	4.Theoretical Probability Distribution [Ex 20(a-d)]
5. Matrices [Ex 6 (a-h, j)]	
6. Continuity & Differentiability [Ex 7]	
7. Differentiation [Ex 8(a-l)]	Project: As per ISC Scope
	Submission Date -02.12.2024
Half Yearly Examination:	
1Application of Derivatives [Ex. 11(a,c,d)]	Selection Examination: Syllabus as per ISC
2.Application of Calculus in Commerce &	Scope 2025.
Economics [Ex. 26(a – f)]	
3.Vectors [Ex. 21(a - d)]	
4.Vectors (contd) [Ex. 22(a ,b)]	
5. Three Dimensional Geometry [Ex. 23(a – e)]	
6. Indefinite Integral 1 [Ex.13(a,b)]	
7. Indefinite Integral 2 [Ex.14(a - e)]	
8. Indefinite Integral 3 [Ex.15(a - g)	
9.Definite Integrals [Ex. 16(a - c)]	
10.Differential Equations [Ex. 17 (a,c -f)]	
11. Maxima & Minima [Ex 12(a-c)]	
12 Linear Regression [Ex. 27]	
13. Application of Integrals [Ex. 25 (a,b)]	
14. Probability [Ex 18(a – d)]	
, , , , , , , , , , , , , , , , , , , ,	
Project: As per ISC Scope	
Submission Date – 02.09.2024	
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PHYSICS

TERM 1

Unit Test 1

Chapter 4: Capacitors & Dielectrics

Chapter 10:Magnetic Classification of Substances

Chapter 17:Refraction and Dispersion of Light

through a prism

Chapter 30: Nuclear Fission and Fusion; Sources of

Energy

Half Yearly Examination:

Unit: 1

Chapter 4: Capacitors & Dielectric

Unit: 2

Chapter 6: DC Circuits & Measurement

Unit:3

Chapter 7: Moving Charges & Magnetic Field

Chapter 8: Torque On A Current Loop: Moving Coil

Galvanometer

Chapter 10:Magnetic Classification Of Substances

Unit: 6

Chapter16: Refraction Of Light At Spherical

Surfaces: Lenses

Chapter 17: Refraction and Dispersion of Light

through a Prism

Chapter 19: Wave Nature Of Light: Huygens'

Principle

Chapter 20: Interference of Light

Chapter 21: Diffraction of Light

Unit 7:

Chapter 23: Photoelectric Effect

Chapter 24: Matter Waves

Unit 8:

Chapter 26: Atom, Origin of Spectra: Bohr's Theory

of Hydrogen Atom

Chapter 29: Mass Energy Equivalence: Nuclear

Binding Energy

Chapter 30: Nuclear Fission and Fusion: Sources of

Energy

Unit 9:

Chapter 31: Semiconductor Electronics

Chapter 32: Junction Diodes

Practical: As per ISC 2025 Scope Project Submission Date: 18.06.2024

Practical file Submission Date: 23.08.2024

TERM 2

Syllabus:

Unit 4

Chapter 11:Electromagnetic Induction

Chapter 12: Alternating Current

Unit: 6

Chapter 18: Optical Instruments

Unit 8:

Chapter 27: Nuclear Structure

Practical: As per ISC 2025 Scope Submission Date: 27.11.2024

Practical file Submission Date:

27.11.2024

Selection Examination: As per ISC

Scope 2025.



Project: According to scope **Submission Date:** 24.06.2024

CHEMISTRY

CHEMISTRY	
TERM 1	TERM 2
Unit Test 1	Syllabus:-
Chapter 2:Solutions	
Chapter 4: Chemical Kinetics	Chapter 14: Biomolecules
Chapter 9:Co-ordination Compounds	
Chapter 10: Haloalkanes & Haloarenes	Practical: Inorganic Sample Analysis (3 samples)
Half Yearly Examination:	Project: According to scope
Chapter 2:Solutions	9 1 1 1 3 4 3 3 4 3 3 4 4 3 4 3 4 4 3 4 4 3 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 3 4 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 4 4 4 4 4 4
Chapter 3: Electrochemistry	Submission Date: 28.11.2024
Chapter 4: Chemical Kinetics	Selection Examination: As not ISC Coops 2005
Chapter 8:d- & f- block Elements Chapter 9:Co-ordination Compounds	Selection Examination: As per ISC Scope 2025.
Chapter 10: Haloalkanes & Haloarenes	
Chapter 11: Alcohols. Phenols & Ethers	
Chapter 12: Aldehydes, Ketones &	
Carboxylic acid	
Chapter 13: Organic Compounds Containing	
Nitrogen	
Practical:	
Analysis of Organic Compounds	
2. Titration	
3. Rate of Reactions	
4. Inorganic Sample Analysis (2 samples)	



BIOLOGY

TERM 1	TERM 2
Unit Test 1	Selection Examination: As per ISC Scope 2025
Chapter 3: Human Reproduction	(All the chapters of the class XII book)
Chapter 4: Reproductive Health	
Half Yearly Examination:	Practical: As per Scope and syllabus of ISC 2025
Chapter 2: Sexual Reproduction in	
Flowering Plants	
Chapter 3: Human Reproduction	
Chapter 4: Reproductive Health	
Chapter 5: Principles of Inheritance &	
Variation	
Chapter 6: Molecular Basis of	
Inheritance	
Chapter10: Microbes in Human Welfare	
Chapter 11: Biotechnology: Principles &	
Processes	
Chapter 12: Biotechnology & its	
Applications	
Chapter 14: Ecosystem,	
Chapter 15: Biodiversity and Its	
Conservation	
Practical: As done in the class	

PSYCHOLOGY

TERM 1	TERM 2
Unit Test 1	Syllabus:-
Chapter 1 Intelligence & Ability	Chapter 3:- Lifespan Development
Chapter 5 Psychological Disorders &	Chapter 3 Ellespan Development
Psychotherapy	D 1 1 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Half Yearly Examination:	Project:-Stress & Attitude
Chapter 1 Intelligence & Ability	Selection Examination:: As per ISC Scope
Chapter 2 Personality	2025.
Chapter 4 Stress & Stress Management	
Chapter 5 Psychological Disorders &	
Psychotherapy Chapter 6 Social Thought and Social	
Behaviour	
Chapter 7 Attitude, Prejudice and Stereotype	
Chapter 8 Psychology in relation to the	
Environment and Social concerns	
D	
Project:- Upgradation of Stress & Attitude	
Submission Date: 02.09.2024	



SYLLABUS: 2024-25 COMPUTER SCIENCE

COMPUTER SCIENCE		
TERM 1	TERM 2	
Unit Test 1	Syllabus:[Whole ISC Syllabus]	
Chapter 1:Boolean Algebra	Chapter 1:Boolean Algebra	
	Chapter 2:Computer hardware	
Half Yearly Examination:	Chapter 3:Objects and Classes	
Chapter 1:Boolean Algebra	Chapter 4:Java revision tour	
Chapter 2:Computer hardware	Chapter 5:Primitive values, types casting and	
Chapter 3:Objects and Classes	expressions	
Chapter 4:Java revision tour	Chapter 6:Statements, control structures and	
Chapter 5:Primitive values, types casting and	scope	
expressions	Chapter 7:Functions / Methods	
Chapter 6:Statements, control structures and	Chapter 8:Arrays and Strings	
scope	Chapter 9: Compiling and running Java	
Chapter 7:Functions / Methods	programs	
Chapter 8:Arrays and Strings	Chapter 10:Java classes : An OOP	
Chapter 9: Compiling and running Java	perspective	
programs	Chapter 11:Recursion	
Chapter 10:Java classes : An OOP	Chapter 12:Concept of inheritance	
perspective	Chapter 13 :Simple data structures	
Chapter 11:Recursion	Chapter 14:Recursive data structures	
Chapter 13:Simple data structures [stack ,	Chapter 15:Computational Complexity	
queue, circular queue, dequeue]	Practical:	
Practical:		
Chapter 6:Statements, control structures and	Chapter 6:Statements, control structures and	
scope	Scope Chapter 8: Arraya and Strings	
Chapter 8:Arrays and Strings	Chapter 8:Arrays and Strings Project :Final ISC project submission date	
Project: 5 advance Java programs	18.11.2024	
Submission Date: 19.06.2024	Selection Examination:: As per ISC Scope	

2025.



SYLLABUS: 2024-25 POLITICAL SCIENCE

Section A
Chapter 8: Organs of the Government: the Judiciary Section B Chapter 13: Democracy in India. Project: Upgradation of ISC project completed in class XI Selection Examination:: As per ISC Scope 2025.



SYLLABUS: 2024-25 GEOGRAPHY

GLOGICAL III	
TERM 1	TERM 2
Unit Test 1	Chapter 18: Industries
Chapter 10: Rural Settlements	Chapter 19: Tourism Industry
Chapter 11: Urban Settlements	Chapter 20: Regional Economic Development
	(case studies)
Half Yearly Examination:	
Chapter 1: Locational setting of India	Map pointing: Map of India covering
Chapter 2: Geological evolution and	Chapters
structure	18, 19, and 20
Chapter 3: Relief	
Chapter 4: Drainage	Practical file: Scales and representation of
Chapter 5: Climate	relief
Chapter 6: Natural Vegetation	Project field everyoise (veryon to be
Chapter 7: Population	Project: field excursion (venue to be
Chapter 8: Migration Trends Chapter 9: Demographic Attributes	notified later)
Chapter 12: Environmental Management and	
land use pattern	Selection Examination:: Entire syllabus of
Chapter 13: Water Resources and types of	ISC as per scope of 2025
irrigation	·
Chapter 14: Agriculture	
Chapter 15: Fisheries	
Chapter 16: Minerals and Power resources	
Chapter 17: Transport and Communication	
Map pointing: Map of India as per scope	
2025 till portions covered	
Practical file: Scales	
Project: Field excursion (venue to be	
notified later)	
Submission Date : On the date of viva	



HISTORY

TERM 1	TERM 2
Unit Test 1 Indian History Chapter 6: Movements for Women's Right	Indian History Chapter 4: Changing face of the Indian Democracy(1977-1986) Chapter 5: India's Foreign Policy
World History Chapter 7: World War II Half Yearly Examination:	World History Chapter 10: Protest Movements Chapter 11: Middle East: Israeli -Palestine conflict (1916-1993)
Indian History Chapter 1: Towards Independence and Partition Chapter 2: Establishment and Development of Indian Democracy((1947-1966) Chapter 3: Development of Indian Democracy (1964-1977) Chapter 6 Movements for Women's Right	Project: As per ISC Scope Selection Examination:: Entire syllabus of ISC as per scope of 2025
World History Chapter 7 World War 2 Chapter 8: Decolonization In Asia and Africa Chapter 9: Cold War Project: As per ISC Scope	



ECONOMICS

TERM 1	TERM 2
Unit Test 1 Chapter 3: Theory of consumer behaviour Chapter 13:Money: Meaning and Functions Chapter 14: Banks: Commercial Banks and Central Banks	Selection Examination:: Entire syllabus of ISC as per scope of 2025 ISC Project Submission(18.11.2024)
Half Yearly Examination: Chapter 12:Theory of Income and Employment Chapter 13:Money: Meaning and Functions Chapter 14: Banks: Commercial Banks and Central Banks Chapter 15:Balance of Payment and Exchange Rate Chapter 16:Fiscal Policy Chapter 17:Government Budget Chapter 18:National Income & Circular Flow of Income Chapter 19:National Income Aggregates Chapter 20:Methods of Measuring National Income Activity: [Any One]] 1. Analyzing Budget of 2024-25 2. RBl's policies to curb inflation and appreciate currency value. 3. Comparative study of India and China's economy. 4. Impact of Israel-Hamas war on Indian economy Submission Date: 05.08.2024 [After upgrading]	



SYLLABUS: 2024-25 BUSINESS STUDIES

DUSINESS STUDIES	
TERM 1	TERM 2
Unit Test 1	Syllabus:-
Chapter 2: Job Analysis and Man Power	Chapter 16:Report and Report Writing
Planning	Chapter 17: Various Business Entities
Chapter 7:Staff Motivation	
Chapter 8: Staff Remuneration	Power Point Presentation on any two E-business
	firms or PPT on any two business organizations
Half Yearly Examination:	(one MNC and one Indian Company).
Chapter 2: Job Analysis and Man Power	,
Planning	ISC Project Submission 12.11.2024
Chapter 7:Staff Motivation	Selection Examination:: As per ISC Scope
Chapter 8: Staff Remuneration	
Chapter 9: Staff Leadership	2025.
Chapter 10: Staff Appraisal	
Chapter 11:Staff Promotion and Transfer	
Chapter 12: Staff Separation	
Chapter 14:Business Communication	
Chapter 15: Business Correspondence	
Chapter 22:- Business Regulators and	
Intermediaries(not to be tested)	
Activity: Business Regulators and	
Intermediaries / Different types of Leadership	
Project Submission: 01/08/2024[After upgrading]	



ACCOUNTS

TERM 1

Unit Test 1

Chapter 1(Part B:)Financial Statement Analysis

Chapter 2 (Part B):Comparative & Common Size Statements

Chapter 3 (Part B): Cash Flow Statement

Chapter 4 (Part B): Ratio Analysis

Chapter 1 (Part A): Partnership Accounts-Fundamentals

Half Yearly Examination: (PART A)

Chapter 1: Partnership Accounts -

Fundamentals

Chapter 2:Good will: Concept and Mode

of Valuation

Chapter 3:Admission of a Partner

Chapter 4: Retirement of a Partner

Chapter 5: Death of a Partner

Chapter 7: Joint Stock Company: Issue of

Snares

Chapter 10: Final Accounts of Companies – Application of Schedule III, Part I of the Companies Act, 2013.

(Part B)

Chapter 1:Financial Statement Analysis Chapter 2:Comparative & Common Size Statements

Chapter 3: Cash Flow Statement

Chapter 4: Ratio Analysis

Project:- Taking the Audited / Unaudited / imaginary financial results of any leading company, its liquidity, solvency, activity and Profitability Ratios of two consecutive accounting years or of two consecutive quarters of an accounting year should be calculated and the comparison of the ratios of both the years or quarters should be shown graphically and /or pictorially (bar diagrams and pie charts)

Project Submission date: 17.06.2024
Activity: Assign group projects where
students research and analyse real-life
examples of partnership businesses. They
can create presentations or reports that
examine the structure of the partnership, its
financial performance, and the accounting
methods used to manage the business.

TERM 2

Syllabus:-

Chapter 6:Dissolution of Partnership Firm

Chapter 8: Joint Stock Companies - Issue of Debentures

Chapter 9: Joint Stock Company - Redemption of

Debentures

Selection Examination: As per ISC Scope 2025.



COMMERCE

TERM 1	TERM 2
Unit Test 1 Chapter 1: Business Environment Chapter 2: Capital-Fixed and Working Chapter 3: Sources of Finance for a Joint Stock Company Chapter 4: Banking -Latest Trends	Syllabus:- Chapter 10: Staffing Chapter 11: Directing Chapter 12: Controlling
Half Yearly Examination: Chapter 5: Management-meaning nature and importance Chapter 6: Principles of Management Chapter 7: Functions of Management and Coordination. Chapter 8: Planning Chapter 9: Organising Chapter 13: Marketing —Concepts & Functions Chapter14: Marketing Mix Chapter 15: Consumer Protection	Selection Examination:: As per ISC Scope 2025.
Project:- Visit a commercial bank. Find out the procedure to open a savings account. Find out the details of various Agency & General utility services provided by the bank.	



Per ISC Scope. **Submission Date:-**1.07.2024 Aural Test & Oral Test: As Per ISC Scope

BENGALI

TERM 1 TERM 2 **Unit Test 1** Syllabus:-প্রবন্ধ ও গদ্য সংকলন প্ৰবন্ধ ও গদ্য সংকলন পাঠ ৬ - বীর্যশুল্কা পাঠ ১০ – না পাহারার পরীক্ষা কবিতা সংকলন ব্যাক্রণ পাঠ ৫ – সালেমনের মা পাঠ ৫ – বাক্য সংকোচন (পৃষ্ঠা :-- ৮৬-৯০) উপন্যাস কোনি – অধ্যায় (১১-১২) **Internal Assessment:** ব্যাকরণ পাঠ ২ – অশুদ্ধি সংশোধন পাঠ ৩ – বাগধারা (পৃষ্ঠা :- 8৭) Project:(On Literature) Submission Date:-12.11.2024 পাঠ ৪ - বাচ্য পরিবর্তন 1st term Project Up-gradation/ Rectification. পাঠ ৫ – বাক্য সংকোচন (পৃষ্ঠা :- ৮০-৮৩) Aural Test & Oral Test: As Per ISC Scope **Half Yearly Examination:** প্রবন্ধ ও গদ্য সংকলন পাঠ ৬ - বীর্যশুল্কা **Selection Examination:** As per ISC Scope পাঠ ৭ – আদাব 2025. পাঠ ৮ - লছমনের মা Revision প্রবন্ধ ও গদ্য সংকলন পাঠ ৩ – তাসের ঘর পাঠ ৪ – অনাচার পাঠ ৫ – রেকর্ড কবিতা সংকলন পাঠ ৫ – সালেমনের মা পাঠ ৭ - যদি নির্বাসন দাও পাঠ ১ – স্বাধীনতা তুমি পাঠ ১০ – নুন Revision কবিতা সংকলন পাঠ ৪ – বর্ণপরিচ্য় পাঠ ৬ – বাবরের প্রার্থনা পাঠ ৮ – রাষ্ট্রা কারও একার ন্য উপন্যাস কোনি – অধ্যায় (৮-১৪) Revision উপন্যাস কোনি – অধ্যায় (১-১০) ব্যাকরণ:- পাঠ ১ – সাধু ও চলিত রীতি পাঠ ২ – অশুদ্ধি সংশোধন পাঠ ৩ – বাগধারা (পৃষ্ঠা – ৪৭–৪৯) পাঠ ৪ – বাক্য পরিবর্তন পাঠ ৫ – বাক্য সংকোচন (পৃষ্ঠা :-৮০-৮৫) পাঠ ৬ - উক্তি পরিবর্তন বাচ্য পরিবর্তন ,ধ্বন্যাত্মক শব্দ নির্মিতি: - প্রবন্ধ / গল্পলিখন , বোধ পরীক্ষণ Internal Assessment: Literature based Project: As



HINDI

TERM 1

Unit Test 1

- 1. पाठ 5 आउटसाइडर (गदय संकलन)
- 2. पाठ 1 साखी (काव्य मंजरी)
- 3. आषाढ़ का एक दिन (पेज 87- 94)
- 4. म्हावरे (पेज 245-250)
- 5. वाक्य श्द्धि (All TYPE)

Half Yearly Examination:

गद्य संकलन -

- 1. पाठ 5 आउटसाइडर
- 2. पाठ 7 क्या निराश हुआ जाए
- 3. पाठ 8 भक्तिन
- 4. पाठ 1 पुत्र प्रेम (Revision)
- 5. पाठ 3 शरणागत (Revision)
- 6. पाठ 10 मजबूरी (Revision)

काव्य मंजरी -

- 1. पाठ 1 साखी
- 2. पाठ 5 नदी के द्वीप
- 3. पाठ 8 उद्यमी नर
- 4. पाठ 9 बादल को घिरते देखा है
- 5. पाठ 4 आ: धरती कितना देती है (Revision)
- 6. पाठ 6 त्लसीदास के पद (Revision)

आषाढ़ का एक दिन

अंक 3 (पेज 87 - 110)

व्याकरण मंजूषा -

- 1. वाक्य श्द्धिकरण (All type)
- 2. म्हावरे (पेज 232 253)

रचना

- 1.निबंध लेखन/ कहानी लेखन
- 2. अपठित गदयांश

Internal Assessment:

Written Project – (As per scope) **Submission Date**: 01.07.2024.

Oral & Aural Test

TERM 2

पाठ 9 संस्कृति क्या है? (गद्य संकलन)

Internal Assessment:

- 1. Written Project (As per scope- Rectification) Submission date: 12.11.2024
- 2. Oral & Aural Test

Selection Examination: As per ISC Scope 2025.

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SYLLABUS: 2024-25 PHYSICAL EDUCATION

Unit Test 1
SECTION A
Chapter 2: Training Methods

Chapter 4: Competitions & Tournaments

SECTION B

TERM 1

Cricket, Football, Volley ball Rules and Regulations Interpretation of laws of the game

Half Yearly Examination: SECTION A

Chapter 1: Sociological aspects of Physical

Education

Chapter 2: Training Methods

Chapter 3: Career Aspects in Physical

Education

Chapter 4: Competitions & Tournaments Chapter 5: Health Education and Health

Problems

Chapter 6: Sports Injuries & First Aid

SECTION B

Cricket, Football, Volley ball Rules and Regulations Interpretation of laws of the game

Duties and Responsibilities of the officials and players

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Measurement and dimensions related to the game

Terminologies related to the game
Fundamental Skills of the game
Strategies and formation of the game
Names and Abbreviations of the National
and Major International tournaments linked
with the games

Project/Practical: As done in class

TERM 2

SECTION A: All the Chapters of the Class XII book **SECTION B:** All the Chapters of the Class XII book

Selection Examination: As per ISC Scope 2025.