

Don Bosco School, Bandel

P.O. & Dist. Hooghly - 712 103



SYLLABUS - 2021-22

CLASS - 12

ENGLISH LANGUAGE

1st TERM

❖ Revision : Proposal Writing

- Report writing : Newspaper
- Descriptive Essays
- Cultural Report:
 - i. Book Fair
 - ii. Cultural events like Concert and Play
- Transformation of Sentences 1 - use and removal of 'too', use of corresponding
- Tenses
- Phrasal Verbs
- Report writing: Personal profile
- Comprehension Practice: [Specimen papers 2 and 3]
- Transformation of Sentences 2 - active and passive voice, comparison of adjectives
- Report writing:
 - i. Article Writing
 - ii. Speech Writing
- Transformation of sentences 3 Interchange of sentences: affirmative negative - exclamatory
- Make Sentences: words with different meaning
- Tenses
- Reflective Essays
- Cultural Report
 - i. Film Festival
 - ii. Exhibition

❖ Revision : Report: Newspaper report - Natural Calamity

- Comprehension Practice : [Specimen Papers 4 and 5]
- Transformation of Sentences 4: hardly when, no sooner than, direct to indirect speech.
- Phrasal Verbs

❖ Revision : Statement of Purpose

- Comprehension Practice : [Specimen papers 6 and 7]
- Transformation of Sentences 5: Assorted, including all types taught.
- Prepositions

1st Unit Test: [April]

Report Writing : Newspaper Report

Transformation of Sentences

1st Assessment: Entire First Term Syllabus

2nd TERM

- Narrative Essays
- ❖ **Revision : Cultural Report**
 - i. Sports Day
 - ii. School Fest
- Agreement of Subject and Verb
- Sequence of Tenses
- ❖ **Revision : Proposal Writing**
- Expository / One word essay
- Comprehension Practice : [Specimen Papers 8 and 9]
- Reflective Essays
- ❖ **Revision : Report - Book and Film reviews**
- Prepositions and Phrasal Verbs
- Argumentative Essays
- Comprehension Practice : [Specimen Papers 10 and 11]
- Proposal Writing
- Transformation of Sentences - Assorted types
- Use of Multiple Prepositions
- ❖ **Revision:**
 - i. Story Writing
 - ii. Newspaper Report
 - iii. Transformation of Sentences
 - iv. Phrasal Verbs
- ❖ **Revision Test: [November]**
 - i. Proposal Writing
 - ii. Comprehension
 - iii. Grammar and Transformations.

##Pre-Board : Entire ISC Syllabus##

ENGLISH LITERATURE

1st TERM

- PROSE:** The Story of an Hour- Kate Chopin
- PLAY:** Tempest -Act 3
- POETRY:** The Darkling Thrush- Thomas Hardy
- PROSE:** The Singing Lesson- Katherine Mansfield
- PLAY:** Tempest -Act 4
- POETRY:** Crossing the Bar-Alfred, Lord Tennyson
- PROSE:** A Gorilla in the Guest Room- Gerald Durrell
- POETRY:** Dover Beach- Matthew Arnold

UNIT TEST :

PLAY: Tempest – Act 3

FIRST ASSESSMENT

PLAY: TEMPEST –ACT I, 2,3, 4.

PROSE & POETRY: ALL FIRST TERM CHAPTERS

2nd TERM

PLAY: TEMPEST- ACT V

PROSE: To Build a Fire – Jack London
B. Wordsworth-V.S.Naipaul

POETRY: Birches- Robert Frost
We are the Music Makers-Arthur William

REVISION TEST:

PLAY: TEMPEST : ACT 4 & 5

POETRY: The Darkling Thrush, The Spider and the Fly.

PROSE: Salvatore, The Sound Machine.

PRE-BOARD EXAM: COMPLETE SYLLABUS FOR ISC 2022.

(As per Council website)

Project: As per Council Syllabus.

2nd LANGUAGE (BENGALI)

1ST TERM

Koni:- Chapter 11

Probondha O Godya Sankolan:- Adab

Grammer:- Bagdhara

Kabita Sankolan:- Baborer Prarthona, Jodi Nirbasan Dao

Probondha O Godya Sankolan:- Lachmaner Maa

Kabita Sankolan:- Rastha karor Ekar Noy

Probondha O Godya Sankolan:- Ekti Tushi Gacher Kahani

Koni:- Chapter 12

Grammer:- Ashuddho Sanshodhan;

Essay - Writing

Kabita Sankolan:- Swadhinatha Tumi

Probondha O Godya Sankolan:- Naa Paharar- Pariksha

Koni:- Chapter 13

Kabita Sankolan:- Nun

Grammar:- Sabder Besistarthak Proyoug;
Comprehension

Unit Test:-Koni Ch.-11,Adab,Bagdhara

1st Assessment:- Total 1st term portion

2nd TERM

Probondha O Godya Sankolan:- Jora sakor Dhare (Rev.)

Grammar:- Bagdhara

Kabita Sankolan:- Ora Kaj Kore(Rev.)

Koni:- Chapter 14

Ashuddo Sanshodhan Probondha O Godya Sankolan:- Anacher(Rev.)

Kabita Sankolan:- Pub-Paschim (Rev.)

Grammar:- Bagdhara, Comprehension.

Kabita Sankolan:- Salemoner Ma (Rev.)

Koni:- Chapter 1 and 2 (Rev.)

Probondha O Godya Sankolan:- Taser Ghor (Rev.)

Grammar:- (Revision)

**REVISION TEST (25 Marks) Literature Part :-Anacher, Salemoner Ma,
Koni:- Chapter 14 and 01 (25Marks) Language Part - Comprehension,
Bagdhara & Suddha Banan.**

Project:- Topic to be given

Pre board Exam:- COMPLETE SYLLABUS FOR ISC 2022.

2nd LANGUAGE (HINDI)

**Books:- ISC Gadya Sankalan (T.B & W.B), ISC Kabya Manjari (T.B & W.B),
Ashadh ka ek din (T.B & W.B), Vyakaran Manjusa.**

1st TERM

Gadya:- Chapter-6 Dasi
Chapter-8 Bhaktin
Chapter-9 Sanskriti kya hai?
Chapter-10 Majburi

Padya:- Chapter-6 Tulsidas ke pad
Chapter-7 Jag tujhko dur jana hai
Chapter-8 Udyami nar
Chapter-9 Badal ko ghirte dekha hai
Chapter-10 Andhere ka deepak

Drama:- Ashadh ka ek din (Act two & three)

Language:- Composition, Comprehension, ISC Hindi Grammar
(Vakya sansodhan & Muhavare)

U.T portion:- Bhaktin & Jag tujhko dur jana hai, Aashadh ka ek din (act-2),
ISC grammar.

First Assessment- Entire First term syllabus

2nd TERM

Revision of all the chapters from the Gadya Sankalan, Kabya Manjari & Aashadh ka ek din.

Revision test portion: Sanskriti kya hai?, Udyami nar, Badal ko ghirte dekha hai, Aashadh ka ek din (act-3), ISC grammar.

Project:- Topic to be given

Pre board:- COMPLETE SYLLABUS FOR ISC 2022.

POLITICAL SCIENCE

1st TERM

1. Forms of Government
2. Forms of Government [contd]
3. Constitution
4. Preamble
5. Salient features of the Indian Constitution
6. Franchise and Representation
7. Fundamental Rights and Directive Principles.
8. Local Self Government

1st U T portion : Forms of Government

1st Assessment : All the Topics taught in this term.

2nd TERM

1. The Legislature
2. Democracy in India
3. The Executive
4. The Judiciary

Revision Test portion: The Legislature and Salient features of the Indian Constitution.

Pre-Board portion: The full syllabus.

Project Topic: Discrimination against a girl child.

HISTORY

1ST TERM

Towards Independence and Partition-the last phase	Indian His - 1
World War II	World His - 7
Establishment and development of Indian democracy	Indian His - 2
Challenges to Indian democracy	Indian His - 3
De-colonisation in Asia and Africa	World His - 8
Cold War	World His - 9
Changing face of Indian democracy	Indian His - 4

Revision of entire first term syllabus 1st UT : Towards Independence and Partition

1st Assessment : Entire 1st Term syllabus

2nd TERM

Protest Movements	World His -10
India's Foreign policy	Indian His - 5
Middle-East : Israeli-Palestine conflict	World His -11
Movements for Women's Rights	Indian His - 6

Revision test: Protest Movements, Changing face of Indian democracy

Pre-Board : Entire first and second term syllabus

Project: Topic to be given

SOCIOLOGY

BOOK : ISC SOCIOLOGY FOR CLASS XII - MANJIR GHOSH
[KALYANI PUBLISHERS]

1ST TERM

Chapter & Topic

1. RELIGION AND SOCIETY
 - i. Definition & concepts of Religion & Science
 - ii. Theories of Religion
 - iii. Functions and Dysfunctions of Religion
 - iv. Communalism, Fundamentalism and Secularism in Plural society
 - v. Morality & Social Control
2. SOCIAL INSTITUTIONS
 - i. Definition & features of Social Institutions
 - ii. Types of Social Institutions: Kinship, Marriage and Family
3. POLITICAL ORGANIZATION

4. ECONOMIC ORGANIZATION
 - i. Definition &
 - ii. Economies of Indian Tribes
 - iii. Agrarian Economy
 - iv. Traditional Markets
5. TRIBAL INDIA- PAST, PRESENT & FUTURE
 - i. Definition of tribe etc. &
 - ii. Dormitories in Tribal India
 - iii. Contract of Tribe with wider society
 - iv. Present conditions, problems & solutions

UNIT TEST I: CHAPTER 1 (RELIGION & SOCIETY)

1ST ASSESSMENT : CHAPTERS 1-5

2nd TERM

6. SOCIAL STRATIFICATION
 - i. Definition & Caste & Class
 - ii. Race & Ethnicity
 - iii. Gender
7. SOCIAL CHANGE AND DEVELOPMENT
 - i. Definitions & Aspects of Development
 - ii. Social Movements
 - iii. Role of Education and Mass media in creating Social Change

REVISION TEST : CHAPTER 4, 6

PRE BOARD EXAMINATIONS : ENTIRE 1ST& 2ND TERM SYLLABUS

- Project topics will be discussed in class

COMMERCE

1st TERM

Chapters

1. Business Environment
2. Capital-Fixed and Working
3. Sources of Finance for a Joint Stock Company
4. Banking-Latest Trends
5. Management-Meaning, Nature and Importance
6. Principles of Management
7. Functions of Management and Coordination
8. Planning
9. Organising
10. Staffing

11. Directing
12. Controlling
- * Revision of First Term Syllabus

PROJECT: Topics to be given.

1st UNIT: Ch.1 & 2

1st ASSESSMENT: All Chapters of First Term.

2nd TERM

13. Marketing-Concept and Functions
14. Marketing Mix
15. Consumer Protection
- * Revision of Complete ISC Syllabus
- * Solving ISC Sample Test Papers

PROJECT: Topics to be given.

REVISION TEST: Ch. 11, 12, 13 & 14

PRE-BOARD: Complete ISC Syllabus of Class XII.

N.B: REFER ISC COUNCIL SYLLABUS FOR DETAILS.

ACCOUNTS

1st TERM

Chapters

1. Partnership Account[A. Fundamental of partnership & B. Goodwill)
2. Reconstitution of Partnership (I) Admission of a partner
3. Reconstitution of Partnership (II) Retirement of a partner
4. Ratio Analysis [Section -B]
5. Final Accounts of Companies
6. Joint Stock Company Accounts – Issue of Shares
7. Joint Stock Company Accounts – Issue of Debentures
8. Financial Statement Analysis
9. Reconstitution of Partnership (III) Death of a partner
10. Dissolution of a Partnership firm.
11. Joint Stock Company – Redemption of Debentures
12. Cash Flow Statement

Unit test 1: Chapter 1 and Chapter 2

Project 1: Ratio Analysis

Project 2: Financial Statement Analysis

First Assessment- Entire First term syllabus

2nd TERM

11. Joint Stock Company – Redemption of Debentures (Remaining Part)
12. Cash Flow Statement(Remaining part)

Revision of entire ISC syllabus

Revision Test : ISC Syllabus

Pre Board:- ISC Syllabus

ECONOMICS

1st TERM

Chapter No. & Topic

- | | |
|-------|---|
| Chp 1 | Demand Analysis |
| Chp 2 | The Concept of Supply |
| Chp 3 | Market Mechanism |
| Chp 4 | Production |
| Chp 5 | Revenue and Cost Concepts |
| Chp 6 | Market Morphology & Determination of Price and Output |
| Chp 7 | Determination of Income and Employment |
| Chp 8 | Money and Banking |

Project: Topic to be given

UNIT TEST -1: Chapters 1 and 2

1st Assessment : All chapters completed in First Term.

2nd TERM

- | | |
|--------|-----------------------------|
| Chp 9 | National Income |
| Chp 10 | Public Finance |
| Chp 11 | Balance of Payments Account |
| Chp 12 | Foreign Exchange Rate |

Project: Topic to be given

REVISION TEST: Chapters 1,5 and 9

PRE-BOARD SYLLABUS : ISC Syllabus

N.B : Please go through ISC council syllabus for details.

BUSINESS STUDIES

1st TERM

Chapters

1. Introduction to Human Resource Management
2. Job and Manpower Planning
3. Staff Recruitment

4. Staff Selection
5. Staff Training
6. Staff Morale
7. Staff Motivation
8. Staff Remuneration
9. Staff Leadership
10. Staff Appraisal
11. Staff Promotion and Transfer
12. Staff Separation
13. Emerging Trends in Human Resources
14. Business Communication
15. Business Correspondence
16. Reports and Report Writing

PROJECT: Topics to be given.

1st UNIT : Ch.1 & 2

1st ASSESSMENT: All Chapters of First Term.

2nd TERM

17. Various Business Entities
18. Sources of Business Finance
19. Globalisation
20. E-Business
21. Outsourcing
22. Business Regulators and Intermediaries
- * Revision of Complete ISC Syllabus
- * Solving ISC Sample Test Papers

PROJECT: Topics to be given

REVISION TEST: Ch.15, 16, 17 & 18

PRE-BOARD: Complete ISC Syllabus of Class XII.

N.B: REFER ISC COUNCIL SYLLABUS FOR DETAILS.

MATHEMATICS

Understanding ISC Mathematics-Class XII

By: M. L. Aggarwal

1ST TERM

Chapter / Topic

1. Inverse Trigonometric Functions.
2. Matrices.
3. Determinants.
4. Relations and Functions.

5. Continuity and Differentiability.
6. Differentiation.
7. Applications of Derivatives.
8. Integrals.
9. Vectors / Application of Calculus in Commerce and Economics.
10. Applications of Integrals / Linear Regression.

PROJECT - I : Explore the principal value of the function $\sin^{-1}x$ (or any other inverse trigonometric function) using a unit circle.

FIRST UNIT : Inverse Trigonometric Functions and Matrices.

FIRST ASSESSMENT: Entire First Term Portion.

2ND TERM

11. Differential Equations .
12. Probability.
13. Coordinate Geometry in 3-Ds (Straight lines in Space) / Linear Programming.

PROJECT-II: Section-B (Find the area bounded by parabola and an oblique line.

Section-C (Using any suitable data, find the optimum cost in manufacturing problem by formulating a linear programming problem (LPP).

REVISION TEST : Integrals and Differential Equations.

PRE-BOARD EXAMINATION: Full ISC-2022 Syllabus.

***NB: Refer to ISC Council Syllabus-2022 for Details.**

PHYSICS

1st TERM

Chapter No. & Topic

1. Electric Charges and Fields.
2. Gauss' Theorem.
3. Electric Potential and Potential Energy.
4. Capacitors and Dielectrics.
5. Electric Resistance and Ohm's Law.
6. D C Circuits and Measurements.
7. Moving Charges and Magnetism.
8. Torque on a Current-loop : Moving- Coil Galvanometer.
9. Magnetic Field and Earth's Magnetism.
10. Magnetic Classification of Substances.

11. Electromagnetic Induction.
12. Alternating Current.
13. Electromagnetic Waves.
14. Reflection of light: Spherical Mirrors.
15. Refraction of light at a Plane Interface:
Total Internal Reflection: Optical Fibre.
16. Refraction of light at Spherical Surfaces: Lenses.
17. Refraction and Dispersion of light through a Prism.
18. Optical Instruments.
19. Wave nature of Light: Huygens' Principle.
20. Interference of Light.
21. Diffraction of Light.
22. Polarisation of Light.

1st UNIT TEST : ELECTROSTATICS (FULL UNIT).

1st ASSESSMENT : Entire First Term Syllabus.

2nd TERM

23. Photoelectric Effect.
24. Matter Waves.
25. X-Rays.
26. Atom, Origin of Spectra : Bohr's Theory of Hydrogen Atom.
27. Nuclear Structure.
28. Radioactivity.
29. Mass- Energy Equivalence: Nuclear Binding Energy.
30. Nuclear Fission and Nuclear Fusion: Sources of Energy
31. Semiconductor Electronics.
32. Junction Diodes.
33. Junction Transistors.
34. Logic Gates.
35. Communication Systems.

REVISION TEST: Electric Resistance & Ohm's Law, DC Circuits & Measurements, Electromagnetic Induction, Alternating Current, Huygens' Principle, Interference, Diffraction & Polarisation of Light, Photoelectric Effect, Matter Waves, X- Rays.

PRE-BOARD : Entire 1st Term and 2nd Term Syllabus.

CHEMISTRY

1st TERM

Chapters No. & Topic

- 1 Solid state
- 2 Solutions
- 10 Haloalkanes and Haloarenes
- 11 Alcohols, phenols and ethers
- 12 Aldehydes, ketones and Carboxylic Acids
- 6 General principles and processes of isolation of Elements
- 7 p-Block elements
- 3 Electrochemistry
- 4 Chemical Kinetics
- 9 Coordination compounds
- 13 Organic compounds containing Nitrogen

Unit Test 1: Ch-1, 2

First Assessment: Chapter-1, 2, 3, 4, 6, 7, 9, 10, 11, 12, 13

Project: Any topic selected from ISC syllabus book

2nd TERM

- 5 Surface Chemistry
- 8 d-and f-Block elements
- 14 Biomolecules
- 15 Polymers
- 16 Chemistry in Everyday Life

Revision Test: Chapter-12, 13, 9, 5

Pre-Board: Full ISC syllabus

BIOLOGY

1st TERM

Chapter No. & Topic

- 5 Principles of inheritance and variation
- 6 Molecular Basis of inheritance
- 11 Biotechnology and its Application
- 12 Biotechnology principles and Processes
- 8 Human health and diseases
- 7 Evolution

Syllabus for Unit test: Chapter 5

First term Assessment: All chapters of first term.

2nd TERM

- 9 Strategies for enhancement in food production
- 10 Microbes in Human Welfare
- 1 Reproduction in Organisms
- 2 Sexual reproduction in flowering plants
- 3 Human Reproduction
- 4 Reproductive Health
- 13 Organisms and population
- 14 Ecosystems
- 15 Biodiversity and its conservation
- 16 Environmental issues

Syllabus for Revision Test Exam: Chapters 1 to 8

Pre-board Exam: According to council syllabus

Project: According to the topic given in Council Syllabus

COMPUTER SCIENCE

1st TERM

Chapters / Topic

1. Revision of class XI
2. Review of Boolean algebra and Logic Gates taught in class 11.
Introduction to K Maps
Half-Adder, Full-Adder, Encoder, Decoder, Multiplexer Circuits
3. Exception Handling revisited
4. Inheritance and Polymorphism, overloading, overriding and Interface.
5. Revision of class XI concepts of java, Revision of data structure (Class XI)-Stack, Queue
6. Data structure (Circular Queue & Deque)
7. Concept of Complexity Analysis and Big O notation.
Concrete computational complexity; concept of input size; estimating complexity in terms of functions; importance of dominant term; best, average and worst case. Big O notation.

Unit Test 1 Syllabus: Boolean algebra and Logic gates

First Assessment: Entire portion for First Term.

2nd TERM

8. Recursive data structure. Binary tree traversal (conceptual), external and internal nodes, height, completeness, balancing, Traversals (pre, post and in-order). Revisiting link list

9. Thorough revision of all the topics prescribed in the ISC Syllabus as well as solving last years' board papers. Also sample papers and guidelines to perform well in practical.

Revision Test Syllabus:

- a) Boolean Algebra & Logic gates
- b) Inheritance

Second Assessment: Entire Computer Science syllabus as per ISC 2022 Syllabus.

PHYSICAL EDUCATION

1st TERM

Chapter No. & Topics

- 4 Competitions and Tournaments (Section-A)
- 2 Training Methods (Section-A)
- 1 Sociological Aspects of Physical Education (Section-A)
- 3 Career Aspects in Physical Education (Section A)
- Games Football (Section-B)
- Games Volleyball (Section-B)

1st Unit Test :

Competitions and Tournaments and Training Methods (Ch. 4 & 2)

1st Assessment: All the chapters taught in first term

Project: File work done throughout the year on any two games or activity

2nd TERM

- 5 Health Education & Health Problems (Section-A)
- 6 Sports Injuries and First Aid (Section-A)
- Games Cricket (Section-B)

Revision Test:

Health Education & Health Problems, Sports Injuries and First Aid (Ch. 5 & 6)

Pre-Board: Entire syllabus of ISC
