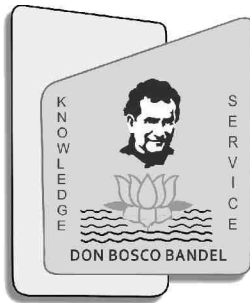


# **Don Bosco School, Bandel**

**P.O. & Dist. Hooghly - 712 103**



*SYLLABUS - 2021-22*

**CLASS - 11**

# **ENGLISH LANGUAGE**

## **1st TERM**

### **TOPICS:**

1. Comprehension (Meanings and Questions)
2. Interchange of Sentences (Removal of 'too' and use of 'so...that')
3. Proposal writing
4. Narrative Essays
5. Tenses -elementary
6. Prepositions
7. Report Writing: Articles; Newspaper reports
8. Descriptive Essays
9. Transformation of Sentences (Negative and Affirmative sentences; Use of 'Hardly... when', 'scarcely...when', 'no sooner...than', 'not only...but also', 'either...or', 'neither...nor', 'besides', 'if', 'unless' etc.)
10. Comprehension (Make sentences; Précis writing)
11. Phrasal Verbs
12. Report Writing: Cultural Programme reports
13. Book Review
14. Expository Essays: One-word topics.

### **Unit Test-1:**

1. Comprehension (Meanings and Questions)
2. Transformation of Sentences (Removal of 'too' and use of 'so...that')

**1st Assessment:** All topics completed during the First Term.

## **2nd TERM**

1. Proposal writing
2. Sequence of Tenses
3. Prepositions
4. Argumentative essay
5. Report Writing: Speech
6. Film Review
7. Comprehension
8. Transformation of Sentences (Direct and Indirect Speech; Active and Passive Voice)
9. Phrasal Verbs
10. Short Story Writing
11. Report Writing: Personal Profile; Statement of Purpose
12. Reflective Essay
13. Transformation of Sentences (Degrees of Comparison)

### **Unit Test-2:**

1. Proposal writing

2. Sequence of Tenses
3. Prepositions

**2nd Assessment:** Entire 1st and 2nd term syllabus / as prescribed in the Council's website.

## **ENGLISH LITERATURE**

### **1st TERM**

#### **Chapter & Topic**

<b>Drama:</b>	The Tempest :Act 1 Sc 1
<b>Prose:</b>	Salvatore - W. Somerset Maugham
<b>Poem:</b>	The Gift of India - Sarojini Naidu
<b>The Tempest :</b>	Act 1 Sc 2
<b>Prose:</b>	Quality - John Galsworthy
<b>Poem:</b>	The Spider and the Fly - Mary Botham Howitt

#### **1st Unit Test:**

<b>Drama :</b>	The Tempest Act 1 Sc 1
<b>Prose:</b>	Salvatore

**1st Assessment: Entire First Term Syllabus.**

### **2nd TERM**

<b>Drama:</b>	The Tempest : Act 2 Sc 1
<b>Prose:</b>	Fritz - Satyajit Ray
<b>Poem:</b>	The Dolphins - Carol Ann Duffy
<b>Drama:</b>	The Tempest : Act 2 Sc 2
<b>Prose:</b>	The Chinese Statue - Jeffrey Archer
<b>Poem:</b>	John Brown - Bob Dylan
<b>Drama:</b>	The Tempest :Act 3 Sc 1
<b>Prose:</b>	A Gorilla in the Guest Room - Gerald Durrell
<b>Poem:</b>	Desiderata - Max Ehrmann
<b>Drama:</b>	The Tempest :Act 3 Sc 2
<b>Drama:</b>	The Tempest :Act 3 Sc 3

#### **Unit Test 2:**

<b>Drama :</b>	The Tempest Act 1
<b>Drama :</b>	The Tempest Act 2 Sc 1 (as completed in class)
<b>Prose:</b>	Fritz - Satyajit Ray
<b>Poem:</b>	The Dolphins - Carol Ann Duffy

**Final Assessment: Entire 1st & 2nd Term Syllabus.**

**Project:** As per Council Syllabus.

## **2nd LANGUAGE (BENGALI)**

### **1ST TERM**

Koni : Chapter - 01

Probondho O Godya Sonkolon : Thakurda

Grammer: Bagdhara

Kobita Sonkolon : Ora Kaaj kore

Koni : Chapter - 02

Probondho O Godya Sonkolon: Jora Sankor Dhare  
Comprehension

Kobita Sonkolon : Poob-Poschim

Koni : Chapter – 03

Grammer:Bagdhara

Probondho O Godya Sonkolon: Taser Ghar

Kobita Sonkolon : Bonolata Sen

Koni : Chapter - 04

Grammer: Sabdar Besistarthak Proyog

Koni : Chapter - 05

Grammer: Suddha Banan, Essay

**Unit Test:** Topic - Thakurda,

Ora Kaaj kore, Bagdhara

**1st Assessment: Total 1st term portion**

### **2nd TERM**

Koni : Chapter - 06,

Grammer: Suddha Banan,

Koni : Chapter - 07

Probondho O Godya Sonkolon : Anachaar

Kobita Sonkolon : Barnoporichoy

Koni : Chapter - 08

Probondho O Godya Sonkolon : Record

Kobita Sonkolon : Salomoner Ma

Grammer : Bakya Paribartan; Essay

Koni : Chapter - 09

Kobita Sonkolon : Baborer Prarthana

Grammer : Sabdar Besistarthak Proyog

Probondho O Godya Sonkolon : Birjo Soulka

Koni : Chapter - 10

Kobita Sonkolon : Baborer Prarthana

Grammer : Comprehension.

Probondho O Godya Sonkolon : Birjo Soulka

Grammar : Bagdhara  
Comprehension

**Unit Test:** Topic - Anachar, Barnoporichoy, Suddha Banan.

**2nd Assessment: Total 2nd term portion.**

## **2nd LANGUAGE (HINDI)**

### **1st TERM**

Gadya: Chapter-1 Putra - prem  
Chapter-2 Gouri  
Chapter-3 Sharnagat  
Padya: Chapter-1 Sakhi  
Chapter-2 Bal lila  
Chapter-3 Ek Phul ki Chah  
Drama: Ashadh ka ek din (Act one)  
Language: Composition, Comprehension, ISC Hindi Grammar  
(Vakya sansodhan & Muhavare)

**U T portion: Putra-prem & Sakhi, ISC Hindi Grammar.**

**First Assessment: Entire First term syllabus.**

### **2nd TERM**

Gadya: Chapter-4 Sati  
Chapter-5 Out sider  
Chapter-6 Dasi  
Padya: Chapter-4 Aah dharti kitna deti hai  
Chapter-5 Nadi ke dweep  
Chapter-6 Tulsidas ke pad  
Language: Composition, Comprehension, ISC Hindi Grammar  
(Vakya sansodhan & Muhavare)

**Unit Test portion: Sati & Nadi ke dweep, ISC Hindi Grammar.**

**Second Assessment: Entire second term syllabus**

**Project:** Topic to be given

## **POLITICAL SCIENCE**

### **1st TERM**

1. Introduction to political science-meaning, nature
2. Introduction to political science [contd]
3. Fundamental concepts
4. Fundamental concepts [contd ]

5. The origin of the state
6. Political Ideologies
7. End of cold war and its impact on the world order
8. Regional cooperation .
9. Sovereignty

**1st Unit Test :** Fundamental concepts.

**1st Assessment :** All the topics taught in this term.

### 2nd TERM

1. Unipolar World
2. Project Topic: US dominance in world politics in the post cold war years.
3. Law
4. NAM
5. Liberty
6. Equality
7. Justice

**2nd Unit Test:** 1. Law 2. Unipolar World

**2nd Assessment: Full syllabus**

## HISTORY

### 1ST TERM

<b>Topic</b>	<b>Chapter</b>
Growth of nationalism	Indian His - 1
Emergence of colonial economy	Indian His - 2
World War I	World His - 7
Peace settlements after world war I	World His - 8
The Great Depression	World His - 9
Economic, Social and Cultural Impact	Indian His - 3
Revision of entire first term syllabus	

**1st Unit Test :** Growth of Nationalism (Ch-1)

**1st Assessment :** Entire First Term Syllabus

### 2nd TERM

Gandhian Nationalism (1916-1922) (1927-1934)	Indian His - 5
Protest Movement Against Colonial rule	Indian His - 4
Rise of Communism : Russia	World His - 10
Rise of Fascism in Italy	World His - 11
Rise of Nazism in Germany	World His - 12

Rise of militarism in Japan  
Growth of working class and workers' movement  
Revision of entire second term syllabus

World His - 13  
World His - 6

**2nd Unit Test :** Gandhian Nationalism (Ch-5),

**2nd Assessment : Entire First and Second Term Syllabus**

**Project:** Topic to be given

## SOCIOLOGY

### 1ST TERM

#### **Chapter & Topic**

1. Origin and Development of Society and Anthropology
  - i. Emergence of Sociology and Anthropology as Disciplines
  - ii. Classical Thinkers and Theories
  - iii. Sociology and Social Sciences
2. Research Methodology
  - i. Importance of Research Methodology
  - ii. Tools of Data Collection
3. Basic Concepts
  - i. Individual and Society
  - ii. Socialization
  - iii. Culture
4. Social Structure
  - i. Social groups
  - ii. Status and Role
  - iii. Social processes

**UNIT TEST 1: Chapter 1, 2 (All topics)**

**1st Assessment : Chapter 1, 2, 3**

### 2nd TERM

5. Social Problems
  - i. Over Population
  - ii. Poverty
  - iii. Unemployment
  - iv. Illiteracy
  - v. Child Labour and Other problems
6. Indian Sociologists
  - i. R K Mukherjee
  - ii. G S Ghurye

- iii. N K Bose
- iv. M N Srinivas
- v. Irawati Karwe

## **UNIT TEST 2: Chapter 4 (All topics)**

**2nd Assessment : Entire syllabus of 1st & 2nd Term.**

***\* Project Topics will be discussed in class***

## **COMMERCE**

### **1st TERM**

#### **Chapter & Topic**

1. Classification of Human Activities
2. Nature and Objectives of Business
3. Classification of Business Activities
4. Introduction to Business Organisations
5. Sole Trader
6. Partnership
7. Joint Stock Company
8. Types of Companies
9. Formation of a Company
10. Public Enterprises, Public Utilities and Public Private Partnerships
11. Cooperative Organisation
12. Social Responsibility of Business and Business Ethics

**Project 1:** Topics to be given

**1st UNIT TEST:** Chapters 1, 2 & 3

**1st ASSESSMENT:** Chapters 1 to 12

### **2nd TERM**

13. E-Business and Outsourcing
14. Stock Exchange
15. Wholesale Trade
16. Retail Trade
17. Procedure and Documents Used in Home Trade
18. Chambers of Commerce and Industry
19. Nature and Scope of Foreign Trade
20. Export Trade
21. Import Trade
22. World Trade Organisation
23. Business Risks and Insurance
24. Types Of Insurance



**Project 2:** Topics to be given

**2nd UNIT TEST:** Chapters 13, 14 & 15

**2nd ASSESSMENT:** Complete ISC Syllabus of Class XI

**\*N.B- Refer ISC Council syllabus for details.**

## **ACCOUNTS**

### **1st TERM**

#### **Chapters**

1. Introduction to Accounting  
Background of Accounting and Accountancy:-  
(a) Basic Terms; (b) Accounting Equation; (c) Evolution of Accounting;  
(d) Accounting Concepts
2. Journal, Ledger and Trial Balance (along with GST application & Set off)
3. Sub-division of Journal - Cash Book & Petty Cash Book  
(GST application)
4. Sub-division of Journal - Day Books.  
(along with GST application & Set off)
5. Bank Reconciliation Statement
6. Bills of Exchange (including Renewal and Retirement of a bill)
7. Depreciation (Straight Line and Written Down Value method.)

#### **Unit Test 1:**

Chapter 1 & Chapter 2 (Only Journal)

Project topic will be given

**First Assessment: Chapters covered in the first term.**

### **2nd TERM**

8. Final Accounts and Concept of Trading, Profit & Loss A/C and Balance Sheet (With/ Without adjustment entries including GST set off)
9. Accounts from Incomplete Records (Single Entry System)
10. Bad Debts & Provision for Bad and Doubtful Debts.
11. Rectification of errors  
(Before and after the preparation of Trial Balance & Final A/C)

#### **Unit Test 2:**

Only chapter 8

Project topic will be given

**Second Assessment: Chapters covered in the second term.**

## **ECONOMICS**

### **1st TERM**

1. Definitions of Economics
2. Basic Concepts of Economics
3. Basic Problems of an Economy
4. Types of Economies
5. Solution to the Basic Economic Problems
6. Indian Economy post Liberalization
7. Parameters of Development
8. Planned Economic Development in India
9. Structural Changes in Indian Economy

**Project:** Topic to be given

**UNIT TEST 1:** Chapters 1 and 2

**1st Assessment:** All chapters completed in the First Term.

### **2nd TERM**

1. Poverty
2. Rural Development
3. Human Capital Formation in India
4. Employment Scenario in India
5. Environment and Sustainable Development
6. Economic Growth and Development
7. Importance of Statistics in Economics
8. Collection of Data
19. Organisation of Data
20. Presentation of Data
21. Measures of Central Tendency
22. Dispersion
23. Correlation
24. Index Number & Some Mathematical Tools

**Project:** Topic to be given

**UNIT TEST 2 :** Chapters 10, 11 and 12

**2nd Assessment:** All chapters completed in both First Term and Second Term

**N.B :** Please go through the ISC Council syllabus for details.

## **BUSINESS STUDIES**

### **1st TERM**

#### **Chapter & Topic**

1. Business Environment
2. Entrepreneurship
3. Business Risks & Causes of Failure
4. Manager and Managerial Roles

**Project 1:** Topics to be given

**1st Unit Test:** Chapters 1 & 2

**1st ASSESSMENT: Chapters 1 to 4**

### **2nd TERM**

5. Authority, Responsibility & Accountability
6. Change Management
7. Automation at Workplaces
8. Productivity Enhancement Tools and Facilities

**Project 2:** Topics to be given

**2nd Unit Test:** Chapters 5 & 6

**2nd Assessment: Complete ISC Syllabus of Class XI**

**\*NB- Refer ISC Council syllabus for details.**

## **MATHEMATICS**

### **1ST TERM**

#### **Chapter / Topic**

Complex Numbers

Quadratic Equations

Sets

Relations and Functions

Principle of Mathematical Induction

Binomial Theorem

Statistics (Section-A)

Conic Sections (Section-B) / Statistics (Section-C)

#### **Portion for First Unit Test:**

Complex Number and Quadratic Equations

#### **Project Work-I**

Section-A:

Topic - Construct a Pascal's Triangle to write a Binomial Expansion for a given positive integral exponent.

**Portion for First Assessment: Entire First Term Portion.**

## 2ND TERM

Permutations and Combinations

Sequence and Series

Trigonometry-Angles and Arc Lengths

Trigonometry-Trigonometric Functions

Trigonometry-Compound And Multiple Angles

Trigonometry-Trigonometric Equations

Trigonometry-Properties of Triangle

Calculus-Limits and Derivatives

Probability

Coordinate Geometry- Straight Lines

Coordinate Geometry-Circles

Introduction to 3-D Geometry (Section B) / Correlation Analysis (Section C)

Mathematical Reasoning (Section B) / Index Number and Moving Averages (Section C)

### **Portion for Second Unit Test:**

Permutations and Combinations, Sequence and Series

### **Project Work-II**

Section-B

Topic: Write geometrical significance of X coordinate, Y Coordinate and Z coordinate in space. Using the above, find the distance of a point in space from x-axis/y-axis/z-axis. Explain using 3-D figure/Model.

Section-C

Topic: Calculate moving averages with the given even periodicity. Plot them and as well as the original data on the same graph.

**Portion for Second Assessment : Full Class 11 Book**

***\*NB - Refer to ISC Council Syllabus- 2023 for Details.***

## PHYSICS

### 1st TERM

#### **Chapter No. & Topic**

1. Physical world.
2. Units and measurement:Error Analysis.
3. Dimensional Analysis.
4. Motion in a Straight line.
5. Motion in a Plane.
6. Newton's laws of motion.
7. Friction.
8. Uniform Circular Motion.

9. Work, Energy and Power.
10. Centre of mass.
11. Rotational Motion of a Rigid Body: Moment of Inertia.
12. Gravitation: Planets and Satellites.
13. Elasticity.
14. Fluid Pressure.
15. Flow of liquids.
16. Surface Tension.

**1st UNIT TEST** : Chapter-1,2,3,4.

**1st ASSESSMENT** : Entire First Term Syllabus.

### **2nd TERM**

17. Thermal Properties of Matter.
18. Heat Transfer.
19. Thermodynamics.
20. Isothermal and Adiabatic Processes.
21. Heat Engine: Second Law of Thermodynamics.
22. Behaviour of Perfect Gas and Kinetic Theory Of Gases.
23. Simple Harmonic Motion.
24. Free, Damped And Forced Oscillations.
25. Waves.
26. Wave Motion.
27. Superposition of Waves-1: Interference and Beats.
28. Superposition of Waves-2. Stationary (Standing) Waves: Vibration Of Air Columns.
29. Vibrations of Stretched Strings.
30. Doppler Effect.

**2nd UNIT TEST**: Chapter 17,18,19.

**2nd ASSESSMENT** : Entire First and Second Term Syllabus.

## **CHEMISTRY**

### **1st TERM**

#### **Chapters No. & Topic**

1. Some Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodicity in Properties
12. Organic chemistry : Some basic Principles and Techniques
10. s- Block Elements
4. Chemical Bonding and Molecular Structure

**Unit test 1:** Ch-1, 2

**First Assessment:** Ch-1, 2, 3, 4, 10, 12

**Project on any one topic given in ISC Syllabus.**

### **2nd TERM**

5. States of Matter: Gases and Liquids
13. Hydrocarbons
8. Redox reactions
9. Hydrogen
6. Chemical Thermodynamics
7. Equilibrium
11. Some p-Block elements
14. Environmental chemistry

**Unit Test 2:** Ch. 5, 12

**Second Assessment: All chapters in ISC Syllabus.**

## **BIOLOGY**

### **1st TERM**

#### **Chapter No. & Topic**

1. The living world
2. Biological Classification
3. Plant kingdom
5. Morphology of Flowering Plants
6. Anatomy of Flowering Plants
8. Cell: The Unit of Life
9. Biomolecules: Chemical Constituents of Living Cells
10. Cell Cycle and Cell Division
16. Digestion and Absorption
12. Mineral nutrition in plants

**FIRST UNIT TEST:** Chapters 1 and 2

**FIRST ASSESSMENT: All chapters of first term**

### **2nd TERM**

4. Animal Kingdom
7. Animal Tissues, Morphology and Anatomy of Cockroach
17. Breathing and Exchange of Gases
18. Body Fluids and Circulation
19. Excretory Products and their elimination
20. Locomotion and Movement

21. Neural Control and Co-ordination
22. Chemical Coordination and Integration
11. Transport in Plants
13. Photosynthesis in Higher Plants
14. Respiration in Plants
15. Plant Growth and Development

**SECOND UNIT TEST: Chapters 4 and 7**

**SECOND ASSESSMENT: Syllabus according to Council.**

## **COMPUTER SCIENCE**

### **1st TERM**

#### **Chapters / Topic**

1. Introduction to object oriented programming using Java, Objects (a) Objects as data (attributes) + behaviour (methods or functions); object as an instance of a class. Constructors. (b) (i). Concept of JVM, Compile time and run time error, basic concept of exception, Exception class, try-catch, throw, throws and finally. Primitive values, wrapper classes, types and casting, Variables, expressions, Statements, scope, Functions, Methods and constructors, String (ii). Structured data types – arrays (single and multi-dimensional), strings. Example algorithms that use structured data types (e.g. searching, finding maximum/minimum, sorting techniques, solving systems of linear equations, substring, concatenation, length, access to char in string, etc.).
2. (i) Numbers: Representation of numbers in different bases and interconversion between them (e.g. binary, octal, decimal, hexadecimal). Addition and subtraction operations for numbers in different bases. (ii) Binary encodings for integers and real numbers using a finite number of bits (sign-magnitude, two's complement, mantissa-exponent notation). Characters and their encodings (e.g. ASCII, Unicode). (iii) Propositional logic, hardware implementation, arithmetic operations. (iv) Logic and hardware, basic gates (AND, NOT, OR) and their universality, other gates (NAND, NOR, XOR, XNOR) half adder, full adder.
3. Basic Input/output Data File Handling (Binary and Text) Basic input/output using Scanner and Printer classes, Input/output Exception, Tokens in an input stream, concept of whitespace, extracting tokens from an input stream (StringTokenizer class). Data File Handling-Need for data file, Input Stream, Output Stream, Byte Stream, Character Stream, Operation-creating, Reading, writing, appending and searching.

**Unit Test 1: Topic -1a and Simple programming in Java**

**Project 1: Topics to be given**

**1st Assessment: Entire First Term Portion.**

## **2nd TERM**

4. Concept of recursion, simple recursive functions (e.g. factorial, GCD, binary search, conversion of representations of numbers between different bases). Revision of all topics taught in first term
5. Array-revisited
6. Package: Definition, creation, importing user defined package, interaction of objects across packages.
7. Trends in computing and ethical issues Artificial Intelligence, Internet of things, virtual reality, Cyber security, privacy, netiquette, spam, phishing, Intellectual property right, Software copyright and patents, free software foundation

**Unit Test 2:** Array (Single Dimensional Array) & Recursion

**2nd Assessment: Entire syllabus for class 11 (refer to council's syllabus)**

## **PHYSICAL EDUCATION**

### **1st TERM**

#### **Chapter No. & Topics**

1. Concept of Physical Education (Section-A)
2. Individual Aspects and Group Dynamics (Section-A)
3. Effects of Physical Exercise and Training on Human Body Systems (Section-A)

Games Football (Section-B)

Games Volleyball (Section-B)

**1st Unit Test:** Concept of Physical Education (Ch. 1)

**1st Assessment: All chapters taught in the first term.**

### **2nd TERM**

4. Nutrition, Weight control and Exercise (Section-A)
  5. Physical Fitness and Wellness (Section-A)
  6. Games and Sports- A Global Perspective (Section-A)
- Games Cricket (Section-B)

**2nd Unit Test:** Nutrition, Weight control and Exercise and Physical Fitness and Wellness (Ch. 4 & 5)

**2nd Assessment: Entire syllabus of class XI.**

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

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