

# Don Bosco School, Bandel

P.O. & Dist. Hooghly - 712 103



*SYLLABUS - 2020-21*

**CLASS - 11**

Name : \_\_\_\_\_

Class : \_\_\_\_\_ Section : \_\_\_\_\_

Dear Parents and students,

I am sending you the Syllabus which was prepared for the Academic Year 20-21. Kindly note, that this is likely to change, subject to the number of working days in the new academic year. As of now, we are unable to calculate the total number of working days in the new academic year.

Modification to the syllabus will occur and when it takes place you will be notified about it. Even these days, some of the subject teachers might deviate from the prepared syllabus to adjust to the situation. You are hereby requested to understand and collaborate with the teachers accordingly.

Thanking you for your cooperation.

**Fr. Noby K. George**  
(Principal)

# **ENGLISH LANGUAGE**

## **PRESCRIBED TEXT : TOTAL ENGLISH FOR CLASS 11**

### **1st TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
1. Narrative Essays	4
2. Proposal Writing	4
3. Interchange of Sentences (too, so.... that..)	3
4. Tenses - elementary	3
5. Prepositions and Usage	2
1. Proposal Writing	1
2. Prepositions	1
3. Revision of : too, and so.... that	1
4. Comprehension [specimen paper 2]	3
1. Proposal Writing	1
2. Prepositions	1
3. Newspaper Report : Natural Calamity	3
4. Transformation of Sentences	2
5. Make Sentences : words with different meanings	2
1. Argumentative Essays	4
2. Phrasal Verbs	2
3. Prepositions	1
4. Use of Multiple Prepositions	2
5. Report : Statement of Purpose	3
1. Reflective Essays	3
2. Comprehension Practice [specimen papers 3, 4]	2
<b>Unit Test:</b>	
1. Narrative Composition	
2. Transformation of Sentences	
3. Prepositions	

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

### **2nd TERM**

1. Descriptive Essays	4
2. Cultural Reports : [school fest, exhibition, sports day]	5
3. Agreement of Subject and Verb	2
4. Sequence of Tenses	2
5. Proposal Writing	1
1. Cultural Report: [concert, film festival]	3
2. Transformation of Sentences	1
3. Comprehension Practice [specimen papers 5, 6]	3

- |                                   |   |
|-----------------------------------|---|
| 4. Prepositions                   | 1 |
| 5. Revision: Statement of Purpose | 1 |

**Two books to be read during the current session**

**BOOK 1. Gone with the Wind by Margaret Mitchell**

**BOOK 2. The Palace of Illusions by Chitra Banerjee Divakaruni**

- |  |   |
|--|---|
| 1. Story Writing                                   | 3 |
| 2. Report : Book Review                            | 4 |
| 3. Revision : Newspaper Report - accidents         | 2 |
| 4. Transformation of Sentences                     | 1 |
| 5. Phrasal Verbs                                   | 1 |
| 6. Conditional Sentences                           | 1 |
| 1. Report : Speech Writing                         |   |
| Personal profile                                   | 4 |
| 2. Comprehension Practice : [specimen papers 7, 8] | 4 |

**Film show for Review : 1. Gone with the Wind**

**2. Saving Private Ryan**

- |  |   |
|--|---|
| 1. Report : Film Review                                      | 3 |
| Revision : Newspaper report - crime                          | 3 |
| 2. Reflective Essays   | 3 |
| 3. Transformation of Sentences                               | 2 |
| 4. Comprehension Practice [specimen paper 9]                 | 1 |
| 1. Revision : Narrative Essays                               | 2 |
| 2. Revision : Proposal Writing                               | 2 |
| 3. Transformation of Sentences                               | 1 |
| 4. Revision : Make sentences - Words with different meanings | 1 |
| 5. Revision : Report -                                       |   |
| Personal Profile, Statement of Purpose                       | 2 |

**Unit Test 2 : Report Writing**

**Transformation of Sentences**

**2nd Assessment : Entire Syllabus**

**ENGLISH LITERATURE**

- Books:**
- 1) Reverie: A Collection of ISC Poems
  - 2) Echoes: A Collection of ISC Stories
  - 3) The Tempest - Shakespeare

**1st TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
Drama: The Tempest :Act 1 Sc 1	6

Prose: Salvatore - W. Somerset Maugham	4
Poem - The Gift of India - Sarojini Naidu	4
The Tempest :Act 1 Sc 2	5
Prose: Fritz - Satyajit Ray	4
Poem: The Dolphins - Carol Ann Duffy	4
Drama: The Tempest :Act 2 Sc 1	7
Prose: Quality - John Galsworthy	5
Poem: John Brown - Bob Dylan	5
Drama: The Tempest : Act 2 Sc 1 (contd)	8
Revision of Half Yearly syllabus	
<b>1st Unit Test:</b> - Drama : The Tempest Act 1 Sc 1	
Prose: Salvatore	
Poetry: The Gift of India	
<b>1st Assessment:- Entire First Term Syllabus.</b>	

### 2nd TERM

Drama: The Tempest : Act 2 Sc 2	5
Prose: The Chinese Statue - Jeffrey Archer	5
Poem: The Spider and the Fly - Mary Botham Howitt	3
Drama: The Tempest :Act 3 Sc 1	7
Poem: Desiderata - Max Ehrmann	5
Drama: The Tempest :Act 3 Sc 2	8
Prose: A Gorilla in the guest room - Gerald Durrell	6
Drama: The Tempest :Act 3 Sc 3	8
Prose: Revision	4
Drama: Revision	6
Prose: Revision	6
Drama : Revision	2
Poetry : Revision	3
<b>Unit Test 2 :</b> Prose 1. The Chinese Statue	
Poem: The Spider and the Fly - Mary Botham Howitt	
Drama: The Tempest Act 2 Sc 2	
<b>Final Assessment:- Entire 1st &amp; 2nd Term Syllabus</b>	

## 2nd LANGUAGE (BENGALI)

### 1ST TERM

Chapter & Topic	Periods
Koni :- Chapter - 01	3
Probondho O Godya Sonkolon : Thakurda	3
Grammer:- Bagdhara, Essay	3
Kobita Sonkolon : Ora Kaaj kore	3

Koni :- Chapter - 02	2
Probondho O Godya Sonkolon : Jora Sankor Dhare	4
Comprehension	2
Probondho O Godya Sonkolon : Jora Sankor Dhare	2
Kobita Sonkolon :- Poob-Poschim	2
Koni :- Chapter - 03	2
Grammer - Bagdhara	1
Comprehension	1
Probondho O Godya Sonkolon: Taser Ghar	4
Kobita Sonkolon : Bonolata Sen	4
Koni :- Chapter - 04	4
Grammer – Sabdar Besistarthak Proyog	3
Probondho O Godya Sonkolon: Taser Ghar	3
Koni :- Chapter - 05	3
Grammer - Suddha Banan	4
Essay	2
<b>Unit Test:-</b> Topic - Thakurda, Ora Kaaj kore, Bagdhara	
<b>1st Assessment</b> - Total 1st term portion	

### 2nd TERM

Koni :- Chapter - 06, Grammer-Suddha Banan	2
Grammer:- Essay	1
Koni :- Chapter - 07	3
Probondho O Godya Sonkolon : Anachaar	3
Kobita Sonkolon : Barnoporichoy	3
Grammer:- Suddha Banan	3
Koni :- Chapter - 08	3
Probondho O Godya Sonkolon : Record	3
Kobita Sonkolon : Salomoner Ma, Ora Kaaj Kore	3
Grammer :- Bakya Paribartan; Essay	3
Probondho O Godya Sonkolon : Record, Jora Sakor- Dhare	3
Koni :- Chapter - 09	2
Kobita Sonkolon : Baborer Prarthana	2
Grammer : Sabdar Besistarthak Proyog	2
Probondho O Godya Sonkolon : Birjo Soulka	3
Koni :- Chapter - 10	3
Kobita Sonkolon : Baborer Prarthana	3
Essay	2
Grammer :- Comprehension.	1
Probondho O Godya Sonkolon : Birjo Soulka	1
Koni :- Chapter - 10	1

Comprehension,	1
Grammer : Bagdhara	1
<b>Unit Test:-</b> Topic - Anachar, Barnoporichoy, Bagdhara.	
<b>2nd Assessment-</b> Total 2nd term portion	

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

**Books:-** 1. Ashadh ka Ek din 2. Kavya Manjari 3. Gadya Sankalan and 4. Vyakaran Manjusha

### **1st TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
Ashadh ka Ek Din:- Act one.	16
Gadya Sankalan - Putra Prem, Vakya Sanshodhan.	
Ashadh ka Ek Din:- Act one.	7
Kabya Manjari:- Sakhi.	
Use Of Muhawarein in Sentences.	
Ashadh ka Ek Din:- Act one.	8
Gadya Sankalan - Gouri.	
Composition	
Ashadh ka Ek Din:- Act one.	16
Gadya Sankalan:- Sharnagat.	
kabya Manjari:- Bal Lila.	
Muhawarein, Vakya Sudhiyaan.	
Kavya Manjari:- Ek Phool ki chah.	7
Gadya Sankalan:- Sati.	
Revision of Ashadh Ka Ek din Act-1.	
I.S.C Pattern Grammar	
Revision of 1st Assessment Portion	
<b>1st U.T :-</b> Ashadh ka ek din (portion Taught)	
Gadya sanklan:- Putra prem. ISC GRAMMAR.	
<b>1st Assessment :-</b> Full 1st term syllabus.	

### **2nd TERM**

Ashadh Ka Ek Din:- Act Two.	12
Gadya Sankalan:- Out Sider.	10
Kavya Manjari:- Aa Dharti Kitna Deti Hai.	
Composition, Comprehension. Vakya Sudhian, Muhawrein.	
Ashadh Ka Ek Din:- Act Two.	12
Gadya Sankalan:- Dasi.	
Kavya Manjari:- Nadi Ke Dweep.	
Ashadh Ka Ek Din:- Act Two.	8
Kabya Manjari:- Tulsidas Ke pad.	
I.S.C Pattern Grammar	

Gadya Sankalan:- Kya Nirash Hua jaye.	12
Ashadh Ka Ek Din:- Act Two.	
I.S.C Pattern Grammar	
Kabya Manjari:- Jaag Tujhko Door Jana.	8
Revision- Ashadh ka Ek Din act-1 & All 2nd assessment portion.	
<b>2nd U.T Portion:-</b> Ashadh Ka Ek Din:- Act Two, Aah Dharti Kitna Deti Hai, ISC Grammar. Short comprehension.	
<b>2nd Assessment Portion-</b> Ashadh Ka Ek Din & 2nd Term Full Portion	

## POLITICAL SCIENCE

Book : ISC Political Science for Class 11 by K K Ghai

### 1st TERM

Chapter & Topic	Periods
1. Introduction to political science--meaning, nature	18
1. Introduction to political science [contd]	9
2. Fundamental concepts	
1. Fundamental concepts [contd ]	12
2. The origin of the state	
1. Political ideologies	23
2. End of cold war and its impact on the world order	
3. Regional cooperation	
1. Sovereignty	9

**1st U T :** 1. Introduction to Political Science  
2. State and its elements

**1st Assessment :** All the topics

### 2nd TERM

1. Unipolar World	19
<b>Project Topic:</b> US dominance in world politics in the post cold war years.	
1. Law	14
2. NAM	
1. Liberty	18
2. Equality	
1. Equality [contd]	13
2. Justice	
Revision	17
Revision	13

- 2nd UT:** 1. Law  
2. Unipolar World
- 2nd Assessment:** Full syllabus
- Submission of Project:** 1st week of December

## HISTORY

### 1ST TERM

Topic & Chapter		Periods
Growth of nationalism :	Indian His - 1	
a) Swadeshi movement		2
b) Revolutionary nationalism		2
<b>Emergence of colonial economy</b>	Indian His - 2	
a) Development of means of transport and disruption of traditional economy		2
b) Development of modern industries and colonial forest policy		2
<b>Economic, Social and Cultural Impact</b>	Indian His - 3	
a) Impact of modern ideas on Indian administrators and reform movements		2
b) Struggle against caste and women's question		2
<b>Growth of working class and workers' movement</b>		
	World His - 6	
a) Growth of working class		1
b) Women's struggle for rights		1
<b>World War I</b>	World His - 7	
a) Causes of the war		2
b) Events of the war		2
c) Changes in warfare strategy and USA's entry		2
d) Causes of the defeat of central power		2
<b>Peace settlements after world war I</b>	World His - 8	
a) Terms of the treaty and its impact		1
b) League of nations		2
<b>The Great Depression</b>	World His - 9	
Causes leading to world street crash and its impact		2
<b>Protest Movement Against Colonial rule</b>	Indian His - 4	
Indigo uprising, Munda uprising and Deccan riots		2
<b>Revision of entire first term syllabus</b>		
<b>1st Unit Test :</b> a) Growth of Nationalism (Ch-1), b) Emergence of Colonial Economy (Ch-2)		
<b>1st Assessment :</b> Entire First Term Syllabus		



### **2nd TERM**

Gandhian nationalism (1916-1922)	Indian His - 5	8
Rise of Communism : Russia	World His - 10	4
Rise of Fascism in Italy	World His - 11	4
Rise of Nazism in Germany	World his - 12	4
Rise of militarism in Japan	World his - 13	5

Revision of entire second term syllabus

**2nd Unit Test** : a) Gandhian Nationalism (1916-1922) (Ch-5),

b) Rise of Communism in Russia (1917-1939) (Ch-11)

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

## **SOCIOLOGY**

### **1ST TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
1. Origin & Development of Sociology & Anthropology	
i. Emergence of Sociology & Anthropology as Disciplines	10
ii. Classical Thinkers & Theories	5
iii. Sociology & other Social Sciences	4
2. Research Methodology	
i. Importance of research methodology	5
ii. Tools of data collection	7
3. Basic Concepts	
i. Individual & Society	4
ii. Socialization	4
iii. Culture	4
4. Social Structure	
i. Social groups	4
ii. Status & Role	4
iii. Social processes	3
<b>Revision for 1ST ASSESSMENT: Chapters 1-3</b>	<b>5</b>

**UNIT TEST 1** : Chapter 1

### **2nd TERM**

5. Social Problems	
i. Over population	10
ii. Poverty	5
iii. Unemployment	5
iv. Illiteracy	5
v. Child labour & other problems	18

6.	Indian Sociologists	
i.	R. K. Mukherjee	5
ii.	G. S. Ghurye	5
iii.	N. K. Bose	5
iv.	M. N. Srinivas	5
v.	Irawati Karve	5

**Revision for 2ND ASSESSMENT:** Chapters 1-6 14

**UNIT TEST 2 :** Chapter 4

**NOTE:** Topics for Project will be discussed & decided in the class .

## **COMMERCE**

**BOOK - ISC COMMERCE Volume-I**

**DR C B GUPTA**

### **1st TERM**

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

\* Revision of First Term Syllabus

**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	6
14. Stock Exchange	6
15. Wholesale Trade	6
16. Retail Trade	5
17. Procedure and Documents Used In Home Trade	6
18. Chambers of Commerce and Industry	3

19.	Nature and Scope of Foreign Trade	6
20.	Export Trade	6
21.	Import Trade	6
22.	World Trade Organisation	6
23.	Business Risks and Insurance	7
24.	Types Of Insurance	4

\* Revisions of entire ISC Syllabus of class XI

\* Solving Sample Papers of class XI

**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

<b>Chapter &amp; Topic</b>	<b>Periods</b>
<b>1. Introduction to Accounting</b>	
Background of Accounting and Accountancy:- (a) Basic Terms ; (b) Accounting Equation ; (c) Evolution of Accounting (d) Accounting Concepts	4
2. Journal, Ledger and Trial Balance (along with GST application & Set off)	8
3. Sub-division of Journal - Cash Book & Petty Cash Book (GST application)	6
4. Sub-division of Journal - Day Books. (along with GST application & Set off)	3
5. Bank Reconciliation Statement	8
6. Bills of Exchange (including Renewal and Retirement of a bill)	6
7. Depreciation (Straight Line and Written Down Value method.)	8
8. Rectification of errors (Before and after the preparation of Trial Balance & Final A/C)	
10. Final Accounts and Concept of Trading, Profit and Loss Account and Balance Sheet (Without adjustments entries but including GST)	12

**Revision of 1st Term Syllabus.**

**1st Project** (Journal, Ledger & Trial Balance including GST )

**Date of Submission:** 10/07/2020

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

## **2nd TERM**

11. Final Accounts and Concept of Trading, Profit & Loss A/C and Balance Sheet (With adjustment entries including GST set off)	10
12. Accounts from Incomplete Records (Single Entry System)	10
13. Non -Trading Organization	18
14. Introduction to the use of Computers in Accounting	10
15. <b>Second Project work-</b> Computer in Accounting. Date of Submission: 07/01/2021	7
<b>2nd UNIT TEST:-</b> Chapters 11 & 12	
<b>Revision of Class 11 Full Syllabus,2020-2021.</b>	10

## **ECONOMICS**

### **1st TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
1. Definition of Economics: Adam Smith, Alfred Marshall, Lionel Robbins, Samuelson.	10
2. Micro and Macro Economics - Meaning and difference. Basic concepts: utility, price, value, wealth, welfare, money, market, capital, investment, income, production, consumption, saving, Business cycle, Aggregate demand and Aggregate supply.	
3. Basic problems of an economy: what to produce; how to produce; for whom to produce; efficient use of resources. PROJECT 1 - Topic given	11
4. Types of economies: developed and developing; Economics systems: capitalism, socialism and mixed economy;	12
5. Mechanism used to solve the basic problems by each economy.	
6. Indian economic development: Introduction Introduction continued.	23
7. Parameters of development	
8. Planning and economic development in India	
9. Structural Changes in the Indian Economy after liberalisation	
<b>Revision for First Assessment</b>	6
<b>SYLLABUS for UNIT TEST 1</b> - chapters - 1, 2	
<b>SYLLABUS for first assessment</b> - chapters - 1, 2, 3, 4, 5, 6, 7, 8, 9	

## 2nd TERM

Current challenges facing Indian economy:	19
10. Poverty	
11. Rural development	
12. Human capital formation	
13. Employment	
14. Sustainable development	14
15. Economic growth and Development	
Statistics:	18
16. Definition, scope and limitations of statistics	
17. Collection of data	
19. Organisation of data	
20. Presentation of data	
21. Measures of central value	
22. Measures of dispersion	13
23. Correlation	
PROJECT 2 - Topic given	
24. Index numbers	17
Some mathematical tools used in economics	
Revision for Second Assessment	
<b>Revision</b>	12
<b>SYLLABUS for UT 2</b> - chapters 12, 14	
<b>SYLLABUS for second assessment</b> - Whole syllabus taught in class 11	

## BUSINESS STUDIES

**BOOK: ISC Business Studies Part 1 - Dr. C B Gupta**

### 1st TERM

<b>Chapter &amp; Topic</b>	<b>Periods</b>
* Introduction to the Subject	2
1. Business Environment	8
2. Entrepreneurship	9
3. Business Risks & Causes of Failure	12
3. Business Risks & Causes of Failure	8
4. Manager and Managerial Roles	8

**\* Revision of First Term Syllabus**

**Project 1:** Topics to be given

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

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

### 2nd TERM

5. Authority, Responsibility & Accountability	15
6. Change Management	12
7. Automation at Workplaces	15

8. Productivity Enhancement Tools and Facilities in Banks & Retail Industry 12
8. Productivity Enhancement Tools and Facilities in Corporate Office 12

\* Revisions of entire ISC Syllabus of class XI

\* Solving Sample Papers of class XI

**Project 2:** Topics to be given

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

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

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

## **MATHEMATICS**

### **Understanding ISC Mathematics-Class XI**

**By: M. L. Aggarwal**

#### **1ST TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
Principal of Mathematical Induction	4
Sets	4
Relations and Functions	9
Quadratic Equations	4
Complex Numbers	8
Binomial Theorem	5
Statistics(Section-A)	5
Conic Sections/ Statistics(Section-C)	10
Revision for First Term Portion	9

**First Unit Test:** Sets, Relations and Functions, Quadratic Equations.

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

Section-A: Topic- Construct a Pascal's Triangle to write a Binomial Expansion for a given positive integral exponent.  
Submission Date: 20th July-2020

**First Assessment:** Entire First Term Portion

#### **2ND TERM**

Permutations and Combinations	6
Sequence and Series	4
Angles and Arc Lengths	4
Trigonometric Functions	4
Compound Angles and Multiple Angles	12
Trigonometric Equations	6
Properties of Triangle	6

Limits and Derivatives	6
Probability	6
Coordinate Geometry- Straight Lines	6
Coordinate Geometry-Circles	7
Introduction to 3-D Geometry/ Correlation Analysis	5
Mathematical Reasoning/ Index Number and Moving Averages	5
Revision for Entire Class 11 Syllabus.	14

**Second Unit Test:** Trigonometric Equations, Limits and Probability

**Project Work-II**

Section-C

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

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.

Submission Date: 13th January - 2021

**Second Assessment:** Full Class 11 Book

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

## PHYSICS

### ISC PHYSICS XI - NOOTAN PUBLICATIONS

#### 1st TERM

Chapter & Topic	Periods
Physical world & Units	1
Significant figures & errors	2
Dimensional analysis	2
Motion in a straight line	3
Motion in a plane	4
Laws of motion	3
Work, power & energy	3
Friction	2
Uniform circular motion	3
Centre of mass	1
Rotational motion of a rigid body	3
Elasticity	2
Fluid pressure	1
Viscosity : fluid flow	3

Surface tension 3

**1st Unit test:** Unit, Error analysis, Dimensional analysis, Motion in a straight line

**1st Assessment:** All chapters of the 1st term

### 2nd TERM

<b>Chapter &amp; Topic</b>	<b>Periods</b>
Gravitation	5
Thermal properties of matter	3
Heat transfer	3
Thermodynamics	3
Isothermal & adiabatic process	3
Heat engine : 2nd law of thermodynamics	3
Kinetic theory of gases	3
Simple harmonic motion	3
Free, damped & forced vibrations	2
Waves	2
Wave motion	2
Superposition of waves-1	3
Superposition of waves-2	3
Vibrations in stretched strings	2
Doppler effect	3
Revision	

**2nd Unit Test:** Gravitation, Thermal properties of matter

**2nd Assessment:** Full ISC 11 syllabus

## CHEMISTRY

ISC chemistry Part I and II for Class11 K. L. Chug

### 1st TERM

<b>Chapter &amp; Topic</b>	<b>Periods</b>
Ch-1 Some Basic Concepts of Chemistry	8
Ch-2 Structure of Atom	6
Ch-10 s-Block Elements	2
Ch-12 Organic Chemistry Some Basic Principles and Techniques	8
Ch-3 Classification of Elements and Periodicity in Properties	4
Ch-4 Chemical Bonding and Molecular structure	12
Ch-5 States of Matter: Gases and Liquids	5
<b>Revision</b>	<b>3</b>

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

**First assessment :** Ch-1, 2, 3, 4, 5, 10, 12



### **2nd TERM**

Ch-13 Hydrocarbons	10
Ch-6 Chemical thermodynamics	6
Ch-7 Equilibrium	9
Ch-8 Redox reaction	7
Ch-9 Hydrogen	7
Ch-11 Some p-Block Elements	10
Ch-14 Environmental chemistry	2
<b>Revision</b>	<b>12</b>

**Unit test 2:** Ch-13

**Second assessment:** Full ISC syllabus for class 11

**Project:** Any topic of project selected from ISC syllabus book 2021-2022

## **BIOLOGY**

### **1st TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
Digestion and Absorption	4
The Living world	2
Biological Classification	2
Biological Classification (continued)	4
Breathing and Exchange of gases	4
Body Fluids and circulation	4
Morphology of flowering plants	4
Excretory products and their elimination	5
Locomotion and movement	5
Anatomy of flowering plants	3
Cell	5
Biomolecules	2
Revision	6

**1st Unit test - 1.** Digestion and Absorption

2. Kingdom Monera

**1st Assessment:** All chapters of first term

### **2nd TERM**

Neural control and Coordination	6
Transport in plants	3
Mineral Nutrition in plants	3
Chemical Coordination and Integration	6
Photosynthesis in higher plants	6
Animal tissues	8
Respiration in plants	6
Plant Growth and development	2
Plant Growth and development (continued)	6
Morphology and anatomy of cockroach	6

Animal kingdom	8
Plant kingdom	5
Cell Cycle and cell division	3
<b>2nd Unit test-</b>	
1. Transport of plants,	
2. Neural control and coordination	
<b>Final Assessment :</b>	All chapters of first and second term

## COMPUTER SCIENCE

Computer Science with Java - Sumita Arora (Dhanpat Rai & Co.)

### 1st TERM

Chapter & Topic	Periods
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) concept of JVM (c ) 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 (d) String	10
2. (a) 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.). 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. 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).	11
3. Propositional logic, hardware implementation, arithmetic operations .4.Logic and hardware, basic gates (AND, NOT, OR) and their universality, other gates (NAND, NOR, XOR, XNOR) half adder, full adder. "	14
4. 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 (String Tokenizer class). Data File Handling-Need for data file, Input Stream, Output Stream, Byte Stream, Character Stream, Operation-creating, Reading, writing, appending and searching	25

Revision 11

**Unit Test-1:** Number System and String class

**1st Assessment :** TOPIC: 1-4

**2nd TERM**

- |    |  |    |
|----|--|----|
| 5. | 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   | 20 |
| 6. | Array-revisited  | 17 |
| 7. | Package::Definition,creation,importing user defined package, interaction of objects across packages.   | 20 |
| 8. | Trends in computing and ethical issues (a) Artificial Intelligence, Internet of things, virtual reality<br>(b) Cyber security, privacy, netiquette, spam, phishing (c) Intellectual property right, (b) Software copyright and patents, (c) Free software foundation | 16 |
|    | Revision of class 11 syllabus  | 20 |
|    | Revision of class 11 syllabus  | 15 |

**Unit Test-2:** 1D and 2D array

**2nd Assessment:** TOPIC: 1-8

**PHYSICAL EDUCATION**

**1st TERM**

<b>Chapter &amp; Topic</b>	<b>Periods</b>
1 Concept of Physical Education (Section-A)	12
5 Physical Fitness and Wellness (Section-A)	6
3 Effects of Physical exercise on Human Body (Section-A)	10
Games - Football and Volleyball (Section-B)	14
Games - Athletics(Section-B)	5

**1st Unit :** 1 & 5 Concept of Physical Education and Physical Fitness and Wellness

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

**2nd TERM**

2 Individual aspect and Group Dynamics (Section-A)	9
4 Nutrition, Weight control and Exercise (Section-A)	9
6 Game and Sports- A Global Perspective (Section-A)	13
Games - Cricket and Basketball (Section-B)	12
Games - Badminton, Swimming and Tennis (Section-B)	15
Games - Hockey (Section-B)	6

**2nd Unit :** 2 & 4 Individual Aspect and Group Dynamics Nutrition, Weight control and Exercise

**2nd Assessment:** Full syllabus of class XI

## PROJECT SUBMISSION DATE

	<b>CLASS - 11</b>	
<b>SUBJECT</b>	<b>PROJECT 1</b>	<b>PROJECT 2</b>
Chemistry	***	4 Jan 2021
Economics	26 June 2020	8 Jan 2021
Commerce	7 July 2020	10 Nov 2020
Business Studies	2 July 2020	5 Nov 2020
Physics	***	7 Jan 2021
Sociology	***	12 Nov 2020
History	***	16 Dec 2020
Biology	6 Nov 2020	***
Political Science	***	10 Dec 2020
Accounts	10 July 2020	7 Jan 2021
Phy. Edn.	***	11 Jan 2021
Computer Science	***	13 Jan 2021
Mathematics	20 July 2020	13 Jan 2021
Eng. Lang.	26 June 2020	5 Oct 2020
Eng. Lit	31 July 2020	11 Dec 2020
2nd Language (Bengali / Hindi)	17 June 2020	27 Nov 2020