

ST.JOSEPH'S COLLEGE
CLASS 11
SYLLABUS FOR 2020-2021
ENGLISH LANGUAGE
BOOK: TOTAL ENGLISH -11 (Morning Star Publication)

FIRST TERM

Question One:

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

The choice may normally include: Narrative, Descriptive, Reflective, Argumentative, Discursive topics and Short Story.

Question Two: (a)

Directed writing based on suggested points: (15 marks, 300 words)

The choice may normally include: Article writing, Book Review, Film Review and Review of Cultural Programme.

Question Two: (b)

Proposal writing based on a given situation (10 marks)

The proposal should include : (i) An Introduction, (ii) Objectives and (iii) List of Measures to be taken. A concluding statement is desirable.

Question Three:

Short answer questions to test grammar, structure and usage.(15 marks)

Question Four:

Comprehension (20 marks)

FINAL TERM

Question One:

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

The choice may normally include: Narrative, Descriptive, Reflective, Argumentative, Discursive topics and Short Story.

Question Two: (a)

Directed writing based on suggested points: (15 marks, 300 words)

The choice may normally include: Article writing, Book Review, Film Review, Review of Cultural Programme, Speech Writing, Report Writing, Personal Profile and Statement of Purpose

Question Two: (b)

Proposal writing based on a given situation (10 marks)

The proposal should include : (i) An Introduction, (ii) Objectives and (iii) List of Measures to be taken. A concluding statement is desirable.

Question Three:

Short answer questions to test grammar, structure and usage.(15 marks)

Question Four:

Comprehension (20 marks)

Note: 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.**

SYLLABUS FOR 2020-2021

ENGLISH LITERATURE

FIRST TERM

PAPER 1 (THEORY) 80 MARKS.

PAPER 2 (PROJECT WORK) 20 MARKS.

TEXTS- 1. THE TEMPEST BY WILLIAM SHAKESPEARE.

2. ECHOES- A COLLECTION OF ISC SHORT STORIES.

3. REVERIE- A COLLECTION OF POEMS.

FIRST TERM

DRAMA- THE TEMPEST- ACT 1 TO ACT 2 SCENE 1.

ECHOES- [A COLLECTION OF ISC SHORT STORIES]

1.SALVATORE BY W. SOMERSET MAUGHAM.

2.FRITZ BY SATYAJIT RAY.

3.QUALITY BY JOHN GALSWORTHY.

REVERIE- [A COLLECTION OF ISC POEMS]

1.THE SPIDER AND THE FLY BY MARY BOTHAM HOWITT.

2.JOHN BROWN BY BOB DYLAN.

3.THE DOLPHINS BY CAROL ANN DUFFY.

FINAL TERM

DRAMA- THE TEMPEST- ACT 2 SCENE 2 TO ACT 3. [FULL]

ECHOES- [A COLLECTION OF ISC SHORT STORIES]

1.THE CHINESE STATUE BY JEFFREY ARCHER.

REVERIE- [A COLLECTION OF ISC POEMS]

1.THE GIFT OF INDIA BY SAROJINI NAIDU.

[SYLLABUS OF FIRST TERM TO BE INCLUDED IN FINAL TERM]

SYLLABUS FOR 2020-2021

BENGALI-2nd LANGUAGE

TEXT BOOKS - KOBITA SANKOLAN

- **NOVEL: KONI – MOTI NANDI**

- **PROBONDHO-O-GODYO SANKALAN**

(ISC COLLECTION OF SHORT STORIES AND ESSAYS)

FIRST TERM

Section :A (Language 50marks)

- Essay OR Original Short Story 20marks
- Comprehension 5 x 4 = 20marks
- Grammar. 10marks
 - Banan Shuddho
 - Dhannattok Shabdo
 - Bakya Sansodhan
 - Idioms

Section :B (Literature 50marks)

- Novel: Koni – Chapter 1,2,3,4
- Probondho-O-Godyo Sankalan
 - Thakurda
 - Anachar
- Kobita Sankolan
 - Ora Kaj Kore
 - Pub Paschim

FINAL TERM

Section :A (Language 50marks)

- Essay OR Original Short Story 20marks
- Comprehension 5 x 4 = 20marks
- Grammar. 10marks
 - Banan Shuddho
 - Dhannattok Shabdo
 - Bakya Sansodhan
 - Idioms
 -

Section :B (Literature 50marks)

- Novel: Koni – Chapter 5, 6, 7
- Probondho-O-Godyo Sankalan
 - Taser Ghar
 - Jora Sankor Dhare
- Kobita Sankolan
 - Banolata Sen
 - Barno Parichoy

Note: Syllabus of FIRST TERM will be included in FINAL TERM examination

SYLLABUS FOR 2020-2021

HINDI-2nd LANGUAGE

- TEXT BOOKS**
- VYAKARAN MANJUSHA
 - GADYA SANKALAN
 - KAVYA MANJARI
 - AASHAD KA EK DIN

FIRST TERM

- | Section. | :A(Language). | 50marks |
|----------------------|---------------|---------|
| • Essay. (400words). | 20marks | |
| • Comprehension. | 20marks | |
| • Grammar. | 10marks | |

: Vyakaran Manjusha.

1. Correct sentence
2. Idioms

- | Section. | : B(Literature). | 50marks |
|---|------------------|---------|
| • 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) | | |

FINAL TERM

- | Section. | :A(Language). | 50marks |
|----------------------|---------------|---------|
| • Essay. (400words). | 20marks | |
| • Comprehension. | 20marks | |
| • Grammar. | 10marks | |

: Vyakaran Manjusha.

1. Correct sentence
2. Idioms

Section. : B (Literature 50marks)

- **Gadya Sankalan** (Questions will come from ch.1 to ch.5)
Ch:4 Sati
Ch:5. Outsider
- **Kavya Manjari** (Questions will come from ch.1 to ch.5)
Ch:4 Aa dharati kitna deti hai
Ch:5 Nadi ke dweep
- **Aashad ka ek din:** Anka-2(Act-2) (Questions will come from Act 1 to Act 2)

SYLLABUS FOR 2020-2021

MATHEMATICS

BOOK: UNDERSTANDING ISC MATHEMATICS CLASS 11[VOL I AND VOL II]

BY M L AGARWAL

PAPER 1-THEORY(3HRS)..... 80 MARKS

PAPER 2-PROJECT WORK..... 20 MARKS

BASED STRICTLY ON ISC (2021) REDUCED SYLLABUS AND ITS SCOPE

FIRST TERM

SEC - A

1. SETS
2. RELATIONS AND FUNCTIONS
3. TRIGONOMETRY
4. TRIGONOMETRIC FUNCTIONS
5. COMPOUND AND MULTIPLE ANGLES
6. PRINCIPLE OF MATHEMATICAL INDUCTION
7. COMPLEX NUMBERS
8. QUADRATIC EQUATIONS
9. INEQUALITIES
10. STRAIGHT LINES
11. SEQUENCE AND SERIES

SEC - B

1. CONIC SECTION
2. INTRODUCTION TO THREE-DIMENSIONAL GEOMETRY

SEC- C

1. STATISTICS
2. INDEX NUMBERS AND MOVING AVERAGES

SECOND TERM

SEC- A

- ALL CHAPTERS FROM FIRST TERM
- PERMUTATIONS AND COMBINATIONS
- BINOMIAL THEOREM
- CIRCLES
- LIMITS
- DIFFERENTIATION
- STATISTICS
- PROBABILITY

SEC- B

- ALL CHAPTERS FROM FIRST TERM
- MATHEMATICAL REASONING

SEC- C

- SAME AS FIRST TERM
- CORRELATION ANALYSIS

NOTE: PAPER I (THEORY) – 80 Marks - one paper of three hours

The syllabus is divided into three sections A, B and C. Section A is compulsory for all candidates. Candidates will have a choice of attempting questions from EITHER Section B OR Section C.

Section A (65 Marks)

Candidates will be required to attempt all questions. Internal choice will be provided in two questions of two marks, two questions of four marks and two questions of six marks each.

Section B/ Section C (15 Marks)

Candidates will be required to attempt all questions EITHER from Section B or Section C. Internal choice will be provided in one question of two marks and one question of four mark.

SYLLABUS FOR 2020-2021

PHYSICS

TEXTBOOK – ISC PHYSICS by K.N SHARMA and SAMEER KALIA

FIRST TERM

Physical World and Measurement
Kinematics
Laws of Motion
Work, Energy and Power
Motion of System of Particles and Rigid Body
Gravitation

FINAL TERM

Properties of Bulk Matter
Heat and Thermodynamics
Behaviour of Perfect Gases and Kinetic Theory of Gases
Oscillations and Waves

[SYLLABUS OF FIRST TERM TO BE INCLUDED IN FINAL TERM]

SYLLABUS FOR 2020-2021

CHEMISTRY

In accordance to Reduced ISC syllabus 2021-2022 as uploaded in CISCE.org

Book : ISC Chemistry for class XI by Dr H.C. Srivastav , Nageen Prakashan Pvt.Ltd

FIRST TERM

THEORY 70 MARKS

Physical Chemistry : [45 Marks]

- 1) Some Basic Concepts
- 2) Structure of Atoms
- 3) Classification of Elements and periodicity in properties.
- 4) Chemical Bonding and Molecular Structure
- 5) Chemical Thermodynamics.

Inorganic chemistry : [10 Marks]

- 6) Redox Reaction
- 7) Hydrogen

Organic Chemistry : [15 Marks]

8) Organic Chemistry : Some Basic Principles and Techniques.

**FINAL TERM
THEORY 70 MARKS**

Physical Chemistry :

1) States of matter : Gases and liquids

2) Equilibrium

Inorganic Chemistry :

1) s- Block elements

2) some p-block elements

Organic Chemistry :

1) Hydrocarbons

2) Environmental Chemistry

Final Term Examination includes whole years syllabus taking into consideration both first term and second terms together. The Syllabus is subjected to changes in future as directed by the ISC council.

SYLLABUS FOR 2020-2021

BIOLOGY

Text book: Balaji ISC BIOLOGY CLASS XI (Dr. S.C.Tripathi)

Based Strictly on ISC (2021) Syllabus and its Scope.

FIRST TERM

1. Diversity of Living organisms

(i) The Living World

(ii) Biological Classifications

(iii) Plant Kingdom

2. Structural Organization in Animals and Plants

(i) Morphology of Flowering Plant

(ii) Anatomy of Flowering Plants

3. Cell Structure and Function

(i) Cell - The Unit of Life

4. Plant Physiology

(i) Transport in Plants

(ii) Mineral Nutrition

5. Human Physiology

(i) Digestion and Absorption

(ii) Breathing and Exchange of gases.

(iii) Body fluids and Circulation

(iv) Excretory Products and their elimination

FINAL TERM

1. Diversity of Living Organisms

(iv) Animal Kingdom

2. Structural Organization in Animals and Plants

(III) Structural organization in Animals

3. Cell Structure and Function

(ii) Biomolecules

(iii) Cell Cycle and Cell division

4. Plant Physiology

iii) Photosynthesis in Higher Plants

(IV) Respiration in Plants

(V) Plant growth and Development

5. Human Physiology

(v) Locomotion and Movement

(vi) Neural Control and Coordination

vii) Chemical coordination and integration.

*Portions from **First Term** are also included in **FINAL TERM** as per Council.

Question Paper Format : Theory Paper: Full Marks: 70. Time: 3 Hours

There will be no overall choice in the paper. Candidates will be required to answer all questions. Internal choice will be available in two questions of two marks each, two questions of three marks each and all the three questions of five marks each. Please refer to ISC 2020 biology question paper format. Distribution of marks in question paper will be according to the weightage of the chapters as given in the scope.

Reference text book : 1. Nootan Biology class XI (current edition)

2. Srijan publication Rastogi class XI (Latest edition).

SYLLABUS FOR 2020-2021

COMPUTER SCIENCE

BOOK: COMPUTER SCIENCE with JAVA – A Textbook for Class XI

BY SUMITA ARORA, DHANPAT RAI & CO

FIRST TERM

TOPICS

1. Numbers
2. Propositional logic, Hardware implementation, Arithmetic operations (basic gates and their use)
3. Introduction to Object Oriented Programming using Java
4. Objects
5. Primitive values, Wrapper classes, Types and casting
6. Variables, Expressions
7. Statements, Scope
8. Methods and Constructors
9. Arrays, Strings – Focus on 1-D array, only basics of 2-D array
12. Implementation of algorithms to solve problems

FINAL TERM

- 2. Propositional logic, Hardware implementation, Arithmetic operations (full chapter)
- 9. Arrays, Strings – revisited for more complex programs
- 10. Basic input/output Data File Handling (Binary)
- 11. Recursion - Concept of recursion, simple recursive methods
- 13. Trends in computing and ethical issues

Note: FINAL TERM examinations will include full Syllabus

Question Pattern For **FIRST TERM**

Part – I (20 Marks)

3 Compulsory Questions of 20 Marks [5 + 10 + 5] - From First Term Full Syllabus of Class XI

Part – II (50 Marks)

Section A (20 Marks)

Questions from Chapter 1 & 2(Basic Gates and their use) - 2 out of 3 Questions - 10 marks each

Section B (20 Marks)

2 out of 3 Questions of 10 marks each - Only Java Programs

Section C (10 Marks)

2 out of 3 Questions of 5 marks each- Questions from Methods –The this operator, Recursion

Question Pattern for **FINAL TERM**

Part – I (20 Marks)

3 Compulsory Questions of 20 Marks [5 + 10 + 5] - From Full Syllabus of Class XI

Part – II (50 Marks)

Section A (20 Marks)

Questions from Chapter 1 & 2 - 2 out of 3 Questions of 10 marks each

Section B (20 Marks)

2 out of 3 Questions of 10 marks each - Only Java Programs

Section C (10 Marks)

2 out of 3 Questions of 5 marks each - Questions from Recursion, File Handling, Trends in Computing and Ethical Issues

First Term Syllabus is subject to change in keeping with the current situation

SYLLABUS FOR 2020-2021

ECONOMICS

AS PER SCOPE OF ISC SYLLABUS 2021

BOOK: FRANK ISC ECONOMICS FOR CLASS XI

D.K. SETHI, U. ANDREWS

(Revised edition)

SCOPE OF SYLLABUS TO BE STRICTLY FOLLOWED

FIRST TERM

Chapter 1 : Understanding Economics

(i)Definition of Economics: Adam Smith , Alfred Marshall , Lionel Robbins , Samuelson. Basic understanding of economics and economic phenomena to be explained especially in the context of the concept of scarcity and allocation of resources. Students may be introduced to the main points on which the various definitions of economics could be analyzed. Features of definitions and two-three criticisms.

Chapter 2: Basic Concepts of Economics

(ii)Micro and Macro Economics–Meaning and Difference. Basic concepts : utility , price, value, wealth, welfare, market, capital, investment, income, production, consumption, saving , Business cycle, Aggregate demand and Aggregate supply .

Meaning and difference between Micro and Macro Economics. A conceptual understanding of the terms: Human wants-classification; factors of production; utility–types and features; price–definition and general rise and fall in price; value–real vs nominal value; wealth–explanation of the term, classification (personal and social); welfare–economic welfare, social welfare and relation between wealth and welfare; market–meaning and size; capital– meaning; investment–meaning, investment as a process of capital formation; income–meaning, factor incomes; production–mean ng; consumption–meaning; saving–meaning; individual saving and aggregate savings.

The above terms to be explained with the help of relevant examples.

Chapter 3: Basic Problems of an Economy

What to produce; how to produce; for whom to produce; efficient use of resources. The basic problem of scarcity and choice must be emphasized. As this problem is universal in character, i . e. aced by all economies, irrespective of the economic system they follow, it must be explained using the concept of Production Possibility Curve. The three problems- what to

produce, how to produce; for whom to produce; must be highlighted. The role of technology and a shift in the Production Possibility Curve (assumptions and features) must be explained.

Chapter 4: Types of Economies

Developed and developing; Economic systems: capitalism, socialism and mixed economy; mechanism used to solve the basic problems faced by each economy. Developed and developing economies (meaning only); different types of economic systems; definition, features, merits and demerits of capitalism, socialism and mixed economic system.

Chapter 5: Solutions to the basic economic problems under different economic systems

Mechanisms used to solve the basic problems under each economic system to be explained with the help of examples. The role of government along with the price mechanism to be emphasized. Price mechanism as a tool to solve economic problem.

Chapter 8: Parameters of Development

Meaning and construction of Human Development Index(HDI). India and HDI as per the UNDP report .

Chapter 9: Sustainable Development

Effect of Economic Development on Resources and Environment. Understanding the concept of Sustainable Development; Need Sustainable Development for improving the quality of life - looking at the deteriorating quality of air, water, food overtime, developing an appreciation to sustain at least what exists for the generations to come. Global warming– meaning and effects.

Chapter 10: Planning and economic development in India

NITI Aayog: objectives and role.

Chapter 11: Structural changes in Indian economy after Liberalisation

Need, meaning, significance and features of liberalization, globalization and privatization of the Indian Economy; disinvestment: meaning.

Chapter 17: Definition, scope, importance and limitations of Statistics.

Special emphasis to be laid on importance of statistics in economics.

Chapter 19: Measures of Central Tendency

(ii) Measures of Central Value: average defined; type of averages: arithmetic mean; simple and weighted; median and mode; ungrouped and grouped data; numericals, relationship between mean, median and mode. Measures of Central Value: average defined; type of averages: arithmetic mean; simple and weighted; median and mode; ungrouped and grouped data. Numericals only on mean, median and mode for both ungrouped and grouped data.

Relationship between mean, median and mode—the nature of the frequency distribution—symmetrical, positively skewed and negatively skewed.

FINAL TERM

Chapter 12: The problem of poverty in India.

Absolute and relative, vicious circle of poverty, main programmes for poverty alleviation: A critical assessment of PAPs (Poverty Alleviation Programmes)

Chapter 13: Rural development

Rural Credit (need, purpose and sources); Agricultural marketing: defects and government measures to improve agricultural marketing; agricultural diversification; alternate farming/organic farming: meaning and importance.

Chapter 14: Human capital formation in India.

How people become resource; role of human capital in economic development ; Growth of education sector in India; Education— formal and informal (Meaning only);

Chapter 15 : Employment and unemployment problems in India.

Types of unemployment, causes for unemployment, Policy measures (after 2000).

Chapter 21: Correlation

Introduction, scatter diagram; Karl Pearson's coefficient of correlation; Spearman's coefficient of correlation. Meaning and significance of correlation to be explained along with types and degrees. Scatter diagram, Karl Pearson's method (two variables, ungrouped data); Spearman's Rank Correlation; to be explained with the help of numericals.

Chapter 22: Index numbers:

simple and weighted -meaning, types and purpose. What does an Index number show, measure or indicate (like a Price Index Number). Difference between simple and weighted –Price weighted or quantity weighted.

Laspeyres, Paasche and Fisher's methods of index numbers (to be explained with the help of numericals). Uses of Index Numbers.

Chapter 23: Some mathematical tools used in Economics

Equation of a straight line and slope of a straight line.

NOTE: FINAL TERM WILL INCLUDE THE ENTIRE SYLLABUS FROM FIRST TERM

SYLLABUS FOR 2020-2021

ACCOUNTS

BOOK: DOUBLE ENTRY BOOK KEEPING for CLASS 11

BY T.S. GREWAL, S. CHAND PUBLICATION

FIRST TERM

1. Introduction to Accounting- Meaning, Concept, Basic Terms, Users of accounting Information,
2. Journal
3. Ledger
4. Sub- Division of Journal- Cash Book, Petty Cash Book, Day Book
5. Trial Balance
6. Depreciation-Straight Line Method and WDV Method
7. Accounting Concepts- GAAP
8. Rectification of Errors

FINAL TERM

Final Term syllabus will be as per the scope of syllabus of ISC 2022, class 11, 2021

SYLLABUS FOR 2020-2021

COMMERCE

Book- ISC COMMERCE Vol I- Dr C. B. Gupta

FIRST TERM

- Chap 1- Classification of Human activities- Economic and Non-Economic
- Chap 2- Nature and Objectives of Business
- Chap 3- Classification of Business Activities
- Chap – 4 Introduction to Business Organisation
- Chap 5- Sole Trader
- Chap 6- Partnership
- Chap 7-Joint Stock Company
- Chap 8- Types of Companies
- Chap 9- Formation of a Company
- Chap 10- Public Enterprise and Public Utilities
- Chap 11- Cooperative Organisation

Chap 12- Social Responsibilities of Business and Business Ethics

FINAL TERM

FINAL TERM examination will include **all chapters as per ISC scope of Syllabus 2022**

SYLLABUS FOR 2020-2021

BUSINESS STUDIES

BOOK : ISC BUSINESS STUDIES - PART 1 FOR CLASS XI – C.B. GUPTA

FIRST TERM

CHAPTERS

1. Business Environment
2. Entrepreneurship
3. Business Risks and Causes of Failure
4. Manager and Managerial roles
5. Authority, Responsibility and Accountability

FINAL TERM

Chapters 1 to 5 and Chapters 6 to 8 (Full Syllabus)

6. Change Management
7. Automation at Workplaces
8. Productivity Enhancement Tools and Facilities