

PHYSICS

Class XII

April to September 2023 (Half Yearly) October 23 to November 23(Pre-Board)

1. Electrostatics 1. Atoms and Nuclei, 2. Current Electricity. 2. Electronic devices.
3. Magnetic effects of Current and Magnetism 3. Communication Systems
4. Electromagnetic Induction and Alternating Current 5. Electromagnetic Waves
6. Optics 7. Dual nature of radiation

POLITICAL SCIENCE

FIRST TERM

SECTION A

1. Forms of Government: Totalitarian, Authorisation & Liberal Democratic States.
2. Forms of Government: Unitary & Federal States UK as a Unitary State, USA as a Federal State & India as a Federal State with Subsidiary Unitary Features.
3. Form of Government: Parliamentary & Presidential Governments.
4. Constitution: Meaning & Kinds, Amending Procedures and conventions of the UK, USA & Indian Constitution.
5. Organs of Government: The Legislature

SECTION B

1. Fundamental Rights. 2. Directive principles of State Policy.
3. Indian Constitution, Salient features of Indian Constitution
4. Constitution of India: The Preamble

SECOND TERM

SECTION A

1. Organs of Government: The Executive
2. Organs of Government: The Judiciary
3. Franchise & Representation

SECTION B

1. Local Self Government: Panchayati Raj. Rural Local Government & Urban Local Bodies
2. Democracy In India: A Perspective of Challenges Faced.

MATHS

Half yearly

Matrices, Determinants, Inverse trigonometric functions, Continuity, Derivatives
Application of derivatives, Integration Ex. 11.1, Probability

Section B

Vectors, 3D Geometry, Straight line, Planes

Section C

Application of calculus, Linear regression, LPP

PSYCHOLOGY SYLLABUS 2023-24

First Term

Index	CHAPTER	TOPIC:
1	1	INTELLIGENCE AND ABILITY
2	2	PERSONALITY
3	4	STRESS AND STRESS MANAGEMENT

4	6	SOCIAL THOUGHT AND SOCIAL BEHAVIOUR
5	PRACTICAL	
PRE-BOARD		
1	1	INTELLIGENCE AND ABILITY
2	2	PERSONALITY
3	3	LIFESPANDEVELOPMENT
4	4	STRESS AND STRESS MANAGEMENT
5	5	PSYCHOLOGICAL DISORDERS AND PSYCHOTHERAPY
6	6	SOCIAL THOUGHT AND SOCIAL BEHAVIOUR
7	7	ATTITUDES
8	8	APPLICATION OF PSYCHOLOGY
9	PRACTICAL	

COMPUTER (2023-24)

FIRST TERM

SL NO.	TOPICS		
1. 3.	PROPOSITIONAL LOGIC COMPUTER HARDWARE	2.	BOOLEAN ALGEBRA
4.	REVISION OF (CLASS X) PROGRAMS(X AND XI)	5.	ARRAY(1D & 2 D)
9.	RECURSION	10.	INHERITANCE
	PREBOARDS		
11.	DATA STRUCTURE	12.	COMPUTATIONAL COMPLEXITY & BIG O NOTATION
	REVISION (FIRST TERM)		

HINDI

Class 12
First term.
Gadhya Sanklan - 5,7,8,9
Kanya Manjari - 5,7,8
Assad ka ek din third part
Grammer, whatever taught in the class.

Final all 3 full books.

CLASS: XII A (BIOLOGY)

SYLLABUS FOR THE FIRST TERM

<u>MONTH</u>	<u>CHAPTER</u>	<u>TOPIC</u>	<u>ASSIGNMENTS</u>
APRIL	1	REPRODUCTION IN ORGANISMS	Q/As to be set for practice.
	2	SEXUAL REPRODUCTION IN FLOWERING PLANTS	Q/As and diagrams to be set for practice.
	3	HUMAN REPRODUCTION	
MAY	3	HUMAN REPRODUCTION	Q/As and diagrams to be set for practice. Q/As to be set for practice.
	4	REPRODUCTIVE HEALTH	
JUNE	5	PRINCIPLES OF INHERITANCE AND VARIATION	Q/As and diagrams to be set for practice.
	6	MOLECULAR BASIS OF INHERITANCE	Q/As and diagrams to be set for practice.
	7	EVOLUTION	Q/As and diagrams to be set for practice.
JULY	8	HUMAN HEALTH & DISEASES	Q/As and diagrams to be set for practice.
	9	STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION	Q/As and diagrams to be set for practice.
	10	MICROBES IN HUMAN WELFARE	Q/As and diagrams to be set for practice.
AUGUST	11	BIOTECHNOLOGY: PRINCIPLES & PROCESSES	Q/As and diagrams to be set for practice.
	12	BIOTECHNOLOGY & ITS APPLICATIONS	Q/As and diagrams to be set for practice.
SEPTEMBER		REVISION FOR THE FIRST TERM EXAMINATION	

SYLLABUS FOR THE SECOND TERM

<u>MONTH</u>	<u>CHAPTER</u>	<u>TOPIC</u>	<u>PERIOD</u>	<u>ASSIGNMENTS</u>
OCTOBER	13	ORGANISMS & POPULATIONS	6	Q/As and diagrams to be set for practice.
	14	ECOSYSTEMS	6	Q/As and diagrams to be set for practice.
NOVEMBER	15	BIODIVERSITY AND ITS CONSERVATION	6	Q/As and diagrams to be set for practice.
	16	ENVIRONMENTAL ISSUES	6	Q/As to be set for practice.
DECEMBER ONWARDS		REVISION OF THE COMPLETE ISC (CLASS XII) SYLLABUS		

THE FINAL EXAMINATION (PRE-BOARD) WILL INCLUDE ALL THE CHAPTERS OF THE ENTIRE CLASS XII SYLLABUS.

MONTH	CHAPTERS	TOPICS	PERIODS	ASSIGNMENTS
APRIL	UNIT 1	FOOD PREPARATION	8	QUESTION ANSWERS TO BE DISCUSSED
MAY	UNIT 2	MEAL PLANNING	10	QUESTION ANSWERS TO BE DISCUSSED
JUNE	UNIT 3	RESOURCE MANAGEMENT	08	QUESTION ANSWERS TO BE DISCUSSED
JULY	UNIT 4	CONSUMER EDUCATION	10	QUESTION ANSWERS TO BE DISCUSSED
AUGUST	UNIT 4	CONSUMER DEUCATION	4	QUESTION ANSWERS TO BE DISCUSSED
SEPTEMBER		REVISION AND PRACTICALS AND EXAMINATION		
OCTOBER	UNIT 6	TRADITIONAL TEXTILES	10	QUESTION ANSWERS TO BE DISCUSSED
NOVEMBER	UNIT 7	COMMUNICATION AND EXTENSION	8	QUESTION ANSWERS TO BE DISCUSSED
DECEMBER	UNIT 5	HUMAN DEVELOPMENT	10	QUESTION ANSWERS TO BE DISCUSSED
JANUARY		EXAMINATIONS		

BENGALI 2nd Language Syllabus for class 12 ... (2023 - 2024)

FIRST TERM SYLLABUS

*** Probondho O GodoyoSankalon**

(PROSE)

Chapter.... 1 , 2 , 4 , 5 , 7 , 8 , 9 .

(POETRY)

Chapter.... 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 .

*** Koni Novel**

Chapter 1 to 12

*** Grammar Essay Compression (UNSEEN)**

FINAL TERM SYLLABUS

*** Probondho O GodoyoSankalon**

(PROSE) Chapter.... 1 to 10 .

(POETRY) Chapter.... 1 to 10 .

*** Koni Novel**

Chapter 1 to 14

*** Grammar Essay Compression (UNSEEN)**

Class: XIIB
COMMERCE

First Term

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

Pre-ISC

12. Organising
 13. Staffing
 14. Directing
 15. Controlling
- [All chapters of First Term]

SYLLABUS 2023-24

Class: XIIB
ACCOUNTS

First Term

1. Partnership Accounts- Fundamentals
2. Goodwill: Concept and Mode of Valuation
3. Admission of a Partner
4. Retirement of a Partner
5. Death of a Partner
6. Dissolution of a Partnership Firm
7. Issue of Shares
8. Final Accounts of Companies
9. Financial Statement Analysis
10. Comparative Statements and Common-Size Statements

Pre-ISC

11. Issue of Debentures
 12. Redemption of Debentures
 13. Cash Flow Statement
 14. Ratio Analysis
- [All chapters of First Term]

DAUGHTERS OF THE CROSS

ST PAUL'S BOARDING AND DAY SCHOOLS

SYLLABUS FOR THE YEAR 2023-24 SUBJECT: ECONOMICS

CLASS 12B, CFIRST

TERM

1. Micro Economic theory

i) Demand :meaning, factors affecting demand,demand function,law of demand,derivation of demand curve,movement and shift of the demand curve,exceptions to the law of demand.

Law of diminishing marginal utility, law of equi marginal utility consumers equilibrium through utility approach and indifference curve analysis

ii) Elasticity of demand: meaning and types, measurement of Elasticity of demand

, factors affecting elasticity of demand.

iii) Supply: meaning difference between stock and supply, determinants of supply, law of supply, movement and shift of the supply curve, elasticity of supply.

iv) Market mechanism: Equilibrium and disequilibrium, Equilibrium price and effect of changes in demand and supply on the equilibrium price. Simple applications of tool of demand and supply.

v) Concept of production and production function, returns to a factor, returns to scale (meaning) total, average and marginal physical products, law of variable proportions and its three stages.

vi) Cost and revenue: Basic concepts of cost, fixed cost, variable, total, marginal and average cost- their relationship, Opportunity cost short run and long run cost curves. Revenue : meaning, average revenue, marginal revenue and total revenue and their relationships under perfect competition and imperfect competition. Producers Equilibrium.

vii) Main market forms: perfect competition, monopolistic competition, oligopoly, monopoly, and monopsony (meaning). Equilibrium of a firm in perfect competition under short run and long run.

FINAL TERM

2. Theory of Income and Employment

Basic concepts and determination of income and employment. 3. Money and Banking

i) Money: meaning, functions of money, supply of money.

ii) Banks: Functions of commercial banks, high powered money, credit creation in commercial bank, Central Bank and Functions.

4. Balance of Payments and Exchange rate

BOP meaning, components. Foreign exchange meaning determination of Exchange rate (flexible)

5. Public Finance

i) Fiscal policy: meaning and instruments of fiscal policy.

ii) Govt. Budget: meaning, types and components. 6. National Income

i) Circular flow of income.

ii) Concepts and definition of NY, GNP, GDP, NNP, private income, personal income, personal disposable income. National disposable income and per capita income, relationship between the income concepts.

iii) Methods of measuring National income: product or value added method, income method and expenditure method with simple numericals based on them.

Note: The entire syllabus for the 1st term will also be included for the final term.

SYLLABUS OF CLASS 12(2023-24)

SUBJECT-ENGLISH LITERATURE

FIRST TERM EXAMINATION

Drama-The Tempest Acts 3,4

Echoes

Short Stories(Prose)

Fritz, Quality , The Story of an Hour

Reverie(Poetry) The Darkling Thrush, Birches, John Brown

Pre-boards

Drama-The Tempest Act 5

Echoes(Prose) The Singing Lesson, B Wordsworth

Reverie(Poems)

The Dolphins Dover Beach

ST. PAUL'S BOARDING AND DAY SCHOOL
SYLLABUS FOR GEOGRAPHY- 2023-24
CLASS XII C

FIRST ASSESSMENT :-

1. Locational setting of India – (Comparison with China and Australia).
2. Geological Structure of India.
3. Drainage.
4. Relief.
5. India map :- a) Important latitudes and longitudes, surrounding water bodies.
b) Rivers. c) Relief.

FIRST TERM :-

1. Locational setting of India – (Comparison with China and Australia).
2. Geological Structure of India.
3. Drainage.
4. Relief.
5. Climate.
6. Natural Vegetation.
7. Population.
8. Migration Trends.
9. Demographic Attributes.
10. Rural Settlements.
11. Urban Settlements.
12. Environmental Management and land use.
13. Water resources and types of irrigation.
14. Fisheries.
15. Minerals and power resources.
16. India maps :- a) Important latitudes and longitudes, surrounding water bodies.
b) Rivers. c) Relief. d) Climate. e) Population. f) Water resources.

CHEMISTRY SYLLABUS

2023-2024

FIRST TERM				
MONTH	SERIAL	TOPIC	PERIOD	ASSIGNMENT
APRIL	1	COORDINATION COMPOUNDS	6	NOTES GIVEN & QUESTIONS ASSIGNED
	2	CHEMICAL KINETICS		CLASS TEST ASSIGNED
MAY	3	ALKYL & ARYL HALIDES	6	NOTES GIVEN
JUNE	4	d - & f- BLOCK	5	NOTES GIVEN, CLASS TEST ASSIGNED
		PRACTICAL		
	5	ALCOHOL, PHENOL & ETHER	8	NOTES GIVEN
	6	SOLUTIONS	7	NOTES GIVEN, CLASS TEST ASSIGNED
JULY	7	P- BLOCK ELEMENTS (GROUP 15 TO 18)	6	NOTES GIVEN, CLASS TEST ASSIGNED
		ASSESSMENT		
AUGUST	8	SURFACE CHEMISTRY	5	NOTES GIVEN,
	9	ALDEHYDES, KETONES & CARBOXYLIC ACIDS	8	NOTES GIVEN, CLASS TEST ASSIGNED
SEPTEMBER	10	ELECTROCHEMISTRY	7	NOTES GIVEN, NUMERICALS GIVEN
		PRACTICALS		
FIRST TERM ASSESSMENT				
OCTOBER	11	ORGANIC COMPOUND CONTAINING NITROGEN	5	NOTES GIVEN
	12	ISOLATION OF ELEMENTS	6	NOTES GIVEN
	13	BIO MOLECULES	5	NOTES GIVEN, CLASS TEST ASSIGNED
NOVEMBER	14	POLYMERS	5	NOTES GIVEN,
	15	CHEMISTRY IN EVERYDAY LIFE	3	NOTES GIVEN, CLASS TEST ASSIGNED
	16	SOLIDS	6	NOTES GIVEN, CLASS TEST ASSIGNED
DECEMBER JANUARY	17	REVISION / PRACTICALS		
FEBRUARY		PRE-ISC		

English Language Syllabus

First Term

1. Composition -- Descriptive, Narrative, Argumentative, Reflective, Discursive topics and Short Story.
2. Directed Writing --
Article Writing, Book Review, Film Review, Speech Writing, Review of Cultural Programme, Report Writing, Personal Profiles and Statement of Purpose.
3. Proposal Writing.
4. Grammar - Do as Directed, Tenses, Prepositions and short questions to test structure and usage.
5. Comprehension and Summary Writing.
6. Listening and Speaking skills.

Second Term

Revision of the entire syllabus

