

LORETO CONVENT, ASANSOL
CLASS XI SYLLABUS 2022 – 2023

1st Term

- English:** Language 1. Composition.
2. Directive writing (article writing, newspaper report, speech, personal profile, statement of purpose, book review, film review, cultural programme review)
3. Proposal writing.
4. Grammar (Transformation of sentences, prepositions, phrasal verbs, tenses)
5. Comprehension.
- Literature – 1. Tempest (Act 1 – Act 2)
2. Short Stories (Echoes)
 i. Salvatore – W Somerset Maugham.
 ii. Fritz – Satyajit Ray.
 iii. Quality – John Galsworthy
 iv. The Chinese Statue – Jeffry Archer.
3. Poems (Reverie)
 i. The Dolphins – Card Ann Duffy.
 ii. The Gift of India – Sarojini Naidu.
 iii. Desideration – Max Ehrmann.
 iv. John Brown – Bob Dylan.
- Bengali:** Paper 1: Essay writing, Comprehension, Grammar- Idioms (bagdhara), asudhi sangsodhan.
Paper 2:
Prabandha o Gadya Sankalan: Thakurda, Jorasakhore Dhare, Taser Ghor Koni (novel) : Chapter 1 to 4
Kabita Sankalan :Ora Kaj Kare, Pub-poshchim, Banalata Sen
- Hindi:** Literature – Gadya Sankalan: Putra Prem, Gouri, Sharanagata, Sati.
Kavya Manjari: Saakhi, Bal Leela, Ek phool ki Chah, Aab Dharti Mitna deti hai
Novel : Sara Aakash (Chapter 1 – 8)
- Language – Essays, Comprehension, functional grammar, correction of the sentences, using Words/idioms in sentences viz – correct structure with proper agreement of the subject and verb according to the number, gender, case, tense and voice.
- History:** 1. Growth of Nationalism.
2. Emergencies of Colonial Economy.
3. Economic, Social and Cultural Impact of British Rule.
4. Protest Against Colonial Rule.
5. Workers Movements.
6. The First World War.
- Geography:** Theory [70]
1. Formation of the Earth.
2. Rocks.
3. Endogenous processes and associated landforms
4. Exogenous processes and associated landforms.
5. Drifting of contents and plate tectonics.
6. Composition and structure of the atmosphere.
7. Insolation.
8. Atmospheric moisture.
9. Atmospheric pressure.
10. World climatic types.
11. Climate Change
12. Natural hazard – causes and management.
13. The biosphere

14. Biodiversity.
 15. India as a mega diversity nation.
 16. Biodiversity for the sustenance of mankind.
 17. Loss of Biodiversity.
 18. Strategies for conservation of biodiversity.
 19. Isostasy.
- Map Work – World Map (ISC)

Practical – [30]

- (i) File (10) – Statistical diagrams and map projections.
- (ii) Viva (10) – On the topics done in the file.
- (iii) Project (10) – From the topics given in the syllabus.

- Economics:**
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|----------------------------------|--|
| 1. Definition of Economics. | 6. Parameters of Development. |
| 2. Basic Terms & Concepts | 7. Structural changes in Indian Economy. |
| 3. Basic Problems of an Economy. | 8. Human Capital Formation in India. |
| 4. Types of economy. | 9. Definition, Scope & limitation of statistics. |
| 5. State of Indian economy. | 10. Collection, Organization & Presentation of data. |
| | 11. Measures of Central Tendency. |
| | 12. Measures of dispersion. |

- Maths:** Section A :
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|------------------------------------|---------------------------------|----------------------------------|
| 1. Sets | 2. Relation and Functions. | 3. Complex Numbers. |
| 4. Mathematical Induction. | 5. Trigonometry. | 6. Limits and derivatives |
| 7. Statistics | 8. Permutation and Combination. | 9. Conic Section (Sec B) |
| 10. Mathematical Reasoning (Sec B) | 11. Statistics (Sec C) | 12. Correlation Analysis (Sec C) |

- Business Studies:**
1. Business Environment.
 2. Entrepreneurship.
 3. Managers and Managerial Roles.

- Political Science:** Section A
1. Introduction to Political Science.
 2. The Origin of the State.
 3. Political Ideologies.
 4. Sovereignty
- Section B
5. End of Cold War and its impact on the World Order.
 6. Unipolar World

- Accountancy:**
1. Introduction to Accounting.
 2. Journal, Ledger and Trial Balance.
 3. Bank Reconciliation Statement.
 4. Depreciation.
 5. Bills of Exchange.
 6. Accounting Concepts.
 7. Final Accounts.

- Commerce:**
1. Nature and Purpose of Business.
 2. Forms of Business Organisation.
 3. Social responsibility of Business and Business Ethics.
 4. Emerging Modes of Business.

- Physics:**
1. Physical world and measurement.

2. Kinematics.
3. Laws of motion.
4. Work, Power and Energy.
5. Motion of system of particles and rigid body.
6. Gravitation.

- Chemistry:**
1. Some Basic Concepts of Chemistry.
 2. Structure of atoms.
 3. Classification of Elements & Periodicity in Properties.
 4. Chemical Bonding and Molecular Structure.
 5. States of Matter, Gases and liquids.
 6. Redox Reactions.
 7. s-block elements.
 8. Organic Chemistry: Some basic principles and techniques.
 9. Hydrocarbons.

- Biology:**
1. Diversity of Living Organisms:
 - (i) The Living World
 - (ii) Biological Classification.
 2. Structural Organisation in Animals and Plants:
 - (i) Morphology of Flowering Plants
 - (ii) Anatomy of Flowering Plants (Plant tissues)
 5. Cell : Structure and Function (i) Cell – The Unit of Life.
 6. Plant Physiology: (i) Transport in Plants
 - (ii) Mineral Nutrition
 - (iii) Photosynthesis (to be contd)
 7. Human Physiology: (i) Digestion and Absorption
 - (ii) Breathing and exchange of gases
 - (iii) Body fluids and circulation.

Practical:

1. Scientific Techniques.
2. Physiological experiments. (To be contd.)
3. Morphology: (i) Morphology and modification of roots, stems and leaves.
4. Cytology: Preparation of temporary slides of (i) Onion peel (ii) T.S. of monocot and dicot stem.
5. Spotting (to be contd)

- Computer Science:**
1. Numbers.
 2. Introduction to Object Oriented Programming using Java.
 3. Objects.
 4. Primitive values, Wrapper classes, Types and casting.
 5. Variables, Expressions.
 6. Statements, Scope.
 7. Methods and Constructors.
 8. Encodings.
- Assignments

- Games:**
1. March Past.
 2. Meditation & Pranayam.
 3. Indoor Games.
 4. Yogasana.
 5. Basketball.
 6. Throwball.
 7. Badminton.
 8. Table Tennis.

- S.U.P.W.:**
1. Craft with old bangles.
 2. Newspaper or waste paper craft.

Final Term

- English:** Language – Same as first term.
 Literature – 1. The Tempest (Act 3) – Including Act 1 & Act 2.

2. Short Stories (Echoes)
 - Gorilla in the guest room – Gerald Durrell.
 - The Story of an Hour – Kate Chopkin.
 - (Chapters from the 1st Term included)
3. Poems (Reverie)
 - i. The Spider and the fly – Mary Botham Howitt.
 - (Poems from first term included)

Bengali: Paper 1 : Language – Essay writing, Comprehension, Grammar- Idioms (bagdhara), Asudhi Sangsodhan.
 Paper 2:
 Prabandha o Gadya Sankalan: Anachar, Record, Birjasukla
 Koni (novel) : Chapter 5 to 8
 Kabita Sankalan : Barnaparichoy, Salemaner maa, Baborer prarthana

Hindi: Literature – Gadya Sankalan: Outsider, Daasi.
 Kavya Manjari: Nadi ked weep, Tulsidass ke pad,
 Novel : Sara Akash.(Chap 9, 10 and 1 -4)

Language – Essays, Comprehension, functional grammar, correction of the sentences, using Words/idioms in sentences viz – correct structure with proper agreement of the subject and verb according to the number, gender, case, tense and voice.

History:

1. The Great Depression.	5. Rise of Militarism.
2. Communism: Russia.	6. Revision of the entire syllabus.
3. Rise of Dictatorships.	

Geography: Theory – (70)

1. Soils
2. Volcanoes and Earthquakes.
3. Coral Reefs.
4. Work of – Ground water, wind, glacier, river, waves.
5. Submarine relief.
6. Marine life and deposits.
7. Ocean water movements.
8. Temperature, density and salinity of ocean.

Mapwork – World map (ISC) – full syllabus.
 Practical – [30]

File – i) Surveying : Chain and tape survey of the school playground / basketball court.
 ii) Statistical diagrams and map projection – revision and corrections to be done.
 Viva – On all topics done in file.
 Revision of all the chapters from first term

Economics:

1. Problems of Poverty.
2. Profile of Indian Agriculture.
3. Rural development (Unemployment & Employment)
4. Comparative study of Indian and Chinese Economies
5. Solutions to the Basic Problems.
6. Economic growth and development.
7. Correlation.

All the chapters according to the syllabus of the Council.

Maths: Section A :

1. Straight Lines.	4. Quadratic Equations.
2. Permutation and combinations. (Contd.)	5. Probability.
3. Sequence and Series.	6. Binomial Theoram.
7. Linear Inequalities.	8. Circles.
9. Three Dimensional Geometry (Sec B)	

10. Index Numbers and Moving Average (Sec C)
Full Syllabus.

Business Studies:

1. Automation at Work Place.
First Term Syllabus included

Political Science: Section A – 1. Law 2. Liberty 3. Equality 4. Justice

Section B - 1. Regional Co-operation.

2. The Non-Alignment Movement.

Accountancy:

1. Rectification of Errors.
2. Accounting from Incomplete Records.
3. Non Trading Organisation.
4. Introduction to use of computers in accounting.
First Term portion included.

Commerce:

1. Stock Exchange.
2. Trade.
3. Foreign Trade.
4. Insurance.
First Term Syllabus included.

Physics:

1. Properties of Bulk matter.
2. Heat and Thermodynamics.
3. Behaviour of perfect gases and kinetic theory of gases.
4. Oscillations and waves.

Chemistry:

1. Thermodynamics.
2. Equilibrium.
3. Hydrogen.
4. Some p-block elements.
5. Environmental chemistry.

Practical:

1. Titration
2. Qualitative..

Biology:

1. Diversity of Living Organism:
 - (i) Plant Kingdom
 - (ii) Animal Kingdom.
2. Structural Organization in Animals and Plants:
 - (i) Secondary growth in dicot stem and dicot root.
 - (ii) Structural Organization in Animal:
 - a. Animal tissues.
 - b. Cockroach.
3. Cell: Structure and Function:
 - (i) Biomolecules
 - (ii) Cell Cycle and Cell division.
4. Plant Physiology:
 - (i) Photosynthesis
 - (ii) Respiration in plants
 - (iii) Plant Growth and Development.
5. Human Physiology:
 - (i) Excretory products and their elimination
 - (ii) Locomotion and Movement
 - (iii) Neural control and co-ordination
 - (iv) Chemical Co-ordination and Integration.

Practical:

1. Physiology experiments.

2. Morphology: Preparation of temporary slides of Rhizopus.
3. Cytology.
 - i. T. S. of monocot and dicot stem.
 - ii. Stages of mitosis.
4. Spotting.

(Revision of all practical covered in 1st Term)

Computer Science:

1. Arrays, Strings
2. Basic input / output Data File Handling (Binary)
3. Recursion
4. Packages.
5. Implementation of algorithms to solve problems.
6. Trends in computing and ethical issues.
7. Propositional logic, Hardware implementation, Arithmetic operations. Assignments.

Games:

1. Cricket.
 2. Volleyball.
 3. Shot Put.
 4. Discuss Throw.
 5. Javelin Throw.
 6. Hockey.
 7. Hurdles.
- Including First Term

S.U.P.W.:

1. Serviette or napkins or runner with embroidery or painting.
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