

**LORETO CONVENT, ASANSOL**  
**CLASS XII SYLLABUS 2023 – 2024**

**Selection**

- English:** Language      1. Composition on anyone of the subjects.  
2. (a) Directed writing (Article writing, book review, film review, review of cultural programme, speech writing, report writing, personal profile, statement of purpose) based on suggested points.  
    (b) Proposal writing based on a given situation. Proposal will included introduction, objection, list of measures.  
3. Short answer questions to test grammar. It included preposition, transformation of sentences and verbs.  
4. Comprehension  
5. Themes to address:-  
    i. Narrating an experience.  
    ii. Giving directions or instructions on how to make or operate something.  
    iii. Providing description.  
    iv. Giving a report.  
    v. Expressing an opinion or a theme based conversation.
- Literature –      The Tempest: Act 3 to 4  
    Short Stories- Echoes-      1. Fritz- Satyajit Ray  
    2. Story of an hour  
    3. Singing lesson  
    4. B Words Worth- NS Naipaul.
- Poem: Reverie  
    1. The Darkling Thrush.  
    2. The Birches.  
    3. Dolphins  
    4. The Dover Beach.  
    5. John Brown.
- Bengali:** Language –      Essay, Comprehension, Idioms, Asuddhi Sansodhon, Bakya Paribartan, Ek  
Kathay      Prakash, Ukti Paribartan, Ek E sabder Vinno ortho bebohar.  
    Literature -      Koni – Chapter 9 to 12  
    Godhya Sankalan: Aadab, Lachmaner Ma, Ekti Tulsi Gacher Kahini  
    Kabita Sankalan – Jodi Nirbashan Dao, Raasta Karor Ekar Noy, Swadhinata tumi.  
    Chapter taught in class XI will be included.
- Hindi:** Literature –      Gadya Sankalan – Kya Nirash Hua Jai, Bhaktin, Sanskriti Kya hai  
    Kavya Manjari – Jaag Tujhko dur jana hai, Uyami Nar, Badal ko ghirte dekha hai  
    Sara Aakash – Chapter 4 to 8(Uttrarddh)
- 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) Towards Independence and Partition: The Last Phase.
  - 2) Establishment and Development of the Indian democracy.
  - 3) Challenges to Indian democracy.
  - 4) Changing face of Indian democracy.
  - 5) World War II.
  - 6) De – Colonisation in Asia.
  - 7) Cold War.
  - 8) Protest Movements.

**Geography:** Theory – [70]

1. Locational setting of India.
2. Geological evolution and structure.
3. Relief.
4. Drainage.
5. Fisheries.
6. Minerals and power resources.
7. Agriculture.
8. Tourism.
9. Regional Economic Development.
10. Natural Vegetation.
11. Environmental management & landuse pattern.

Mapwork – Map of India (ISC Map)

Practical [30]

- i) File (20): a) Scales,
- ii) Viva (10) : Based on the topics done in the file.

- Economics:**
1. Theory of Demand and Elasticity of demand.
  2. Theory of Supply
  3. Theory of Consumer Behaviour.
  4. Market Equilibrium
  5. Theory of Production.
  6. Cost and Revenue Analysis.
  7. Producer's Equilibrium
  8. Forms of Market.
  9. Price and Output determination.
  10. Money and Banking.

**Business Studies:**

Selection:-

1. Human Resource Management.
2. Business Size and Finance.
3. Business Communication.

**Maths:**

**Section A:**

1. Matrices
2. Determinants.
3. Relation and Functions.
4. Inverse Trigonometric Functions.

5. Continuity and Differentiability.

6. Integrals.

**Section B:**

8. Vectors.

9. Three Dimensional Geometry (Straight Lines)

**Section C:**

10. Application of Calculus.

11. Linear Regression.

**Political Science:**                      Section A

1. Forms of Government

2. Constitution.

3. Franchise and Representation

4. Organs of the Government.

a. Legislature.

b. Executive.

Section B

1. Indian Constitution.

2. Fundamental Rights and Directive Principles.

**Physics:**

1. Coulomb's Law.

2. Electric Field & Electric Dipole.

3. Gauss' Theorem.

4. Electric Potential.

5. Capacitors and Di-electrics.

6. Electric Resistance & Ohm's law.

7. DC Circuits and Measurements.

8. Magnetic effect of current.

9. Magnetic Torque on a current loop.

10. Magnetic Field & Earth's Magnetism.

11. Magnetic classification of substances.

12. Electromagnetic Induction.

13. Alternating current circuit.

14. Electromagnetic waves.

15. Reflection of light: Spherical Mirrors.

16. Refraction of light at a Plane surface.

**Chemistry:**

1. Solution

2. Electrochemistry

3. Chemical Kinetics

4. Haloalliames and Haloarenes

5. Alcohols, Phenols and Ethers

6. Aldehydes, Ketones and Carboxylic acid.

7. Coordination compounds.

**Biology:**

1. Reproduction:

- i) Human Reproduction
  - ii) Sexual reproduction in flowering plants.
- 2. Genetics and Evolution:
  - i) Principles of inheritance and variation.
  - ii) Evolution.
- 3. Biology and Human Welfare:
  - i) Human Health and diseases.
- 4. Biotechnology and its Application :
  - i) Biotechnology – Principles and processes.
  - ii) Biotechnology and its applications.( to be contd.)
- 5. Ecology and Environment:
  - i) Organisms and Populations.
  - ii) Ecosystem.

- Practical:
- 1. Taxonomy: Study of floral characteristics.
  - 2. Simple biochemical and physiological experiments. (to be contd.)
  - 3. Slide preparation. (to be contd.)
  - 4. Spotting (to be contd.)

**Computer:**

- 1. Boolean Algebra.
- 2. Computer Hardware.
- 3. Implementation of algorithms to solve problems.
- 4. Programming in JAVA (Revision of class XI)
- 5. Objects.
- 6. Primitive values, wrapper classes, types and casting.
- 7. Variables, Expression.
- 8. Statement, scope
- 9. Methods
- 10. Arrays, string.
- 11. Recursion
- Project Work

**Accountancy:** Selection:-

- 1. Fundamentals of Partnership.
- 2. Goodwill
- 3. Admission
- 4. Retirement & Death
- 5. Dissolution.
- 6. Ratio Analysis
- 7. Financial Statement Analysis.

**Commerce:** Selection:-

- 1. Financing
- 2. Business Environment
- 3. Management

- Games:**
- 1. Meditation and Pranayam.
  - 2. March Past.
  - 3. Indoor Games
  - 4. Yogasana

5. Basket Ball
6. Throw Ball
7. Table Tennis.

- S.U.P.W.:**
1. Bottle craft
  2. Pickle making.

### **Mock Examination**

**English:** Language – Same as of First Term.

Literature – The Tempest: Act 3 to 5

- Short Stories- Echoes-
1. Fritz- Satyajit Ray
  2. Quality
  3. Story of an hour
  4. Singing lesson
  5. B Wolds Worth- NS Naipaul

Poem: Reverie

1. The Darkling Thrush.
2. The Birches.
3. Dolphins
4. The Dover Beach.
5. John Brown.

**Bengali:** Language: Essay, Comprehension, Idioms, Asuddhi Sansodhon, Bakya Paribartan, Ek Kathay

Literature: Koni – Chapter 13 to 14  
Goddya Sankalan: Na Paharar Parikhsha  
Kabita Sankalan – Noon.  
Chapters taught in class XI will be included.

**Hindi:** Literature – Gadya Sankalan – Majboori and full syllabus.

Kavya Manjari – Andhere ka Deepak and full syllabus.

Sara Aakash – Chapter 9 to 10 and full syllabus.

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) India's Foreign Policy.
  - 2) Movements for Women's Rights.
  - 3) Middle East Israeli – Palestinian Conflict.
  - 4) Revision of the entire syllabus.

- Geography:**
- Theory – [70]
1. Climate
  2. Industries.
  3. Population.
  4. Demographic attributes.
  5. Migration.

6. Water resources and types of irrigation.
  7. Urban settlements.
  8. Rural settlement.
  9. Transport and Communication.
- Revision of all the chapters from First term.  
 Map – Map of India (ISC): Full Syllabus.  
 Practical (30):
- i) File (10): Plane table survey.
  - ii) Revision and correction of 1<sup>st</sup> term topic.
  - iii) Viva (10): **From practical file and project.**
  - iv) Project work (10): From among the topics given in the syllabus.

**Economics:**

1. Theory of Income and Employment.
2. Circular Flow of Income.
3. National Income Aggregates.
4. Measurement of National Income.
5. Balance of Payments.
6. Public Finance (Fiscal Policy)
7. Government Budget.

All the chapters as per the ISC syllabus.

**Business Studies:**

4. Business Correspondence.
5. Globalisation & recent trends in Business.
6. Business Regulators & Intermediaries.

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Selection Portion.

**Maths:**

**Section A:**

1. Application of Derivatives.
2. Differential Equations.
3. Probability.

**Section B:**

4. Application of Integrals
5. Three Dimensional Geometry (Planes)

**Section C:**

6. Linear Programming

Full Syllabus.

**Political Science:** Full Syllabus – According to the Council.

**Physics:**

17. Refraction of Light at Spherical surfaces: Lens.
18. Refraction of light through a Prism & scattering of light.
19. Optical Instruments.
20. Wave nature of light & Huygens principle.
21. Interference of light.
22. Diffraction of light.
23. Polarisation of light.

24. Photoelectric effect.
25. Wave particle Duality: Matter Waves.
26. Atoms.
27. Nuclear structure.
28. Radioactivity.
29. Mass-Energy Equivalence: Nuclear binding Energy.
30. Nuclear Fission & Nuclear Fusion: Sources of energy.
31. Conductors, Insulators and semiconductors.
32. Junction Diodes.
33. Revision of all chapters of selection.

- Chemistry:**
10. Organic compounds containing nitrogen.
  11. Biomolecules.
  12. d and f block elements.

[ full syllabus]

- Practical:
1. Titration.
  2. Study of Rate of Reaction.
  3. Qualitative Analysis.
  4. Identification of the Functional Group.
  5. Protein and Carbohydrates.

- Biology:**
1. Reproduction:
    - i) Reproductive Health.
  2. Genetics and Evolution:
    - i) Molecular Basis of Inheritance.
  3. Biology and Human Welfare:
    - i) Microbes in Human Welfare.
  4. Biotechnology and its Applications:
    - i) Biotechnology and its application.
  5. Ecology and Environment:
    - i) Biodiversity and its Conservation.

- Practical:
1. Simple Biochemical and physiological experiments.
  2. Slide preparation
  3. Spotting.

(Revision of all chapters covered in Selection Examination including practicals)

- Computer:**
1. Inheritance, interfaces and polymorphism.
  2. Data structure.
  3. Complexity.
  4. Revisions  
All chapters of First-Term  
Project work

**Accountancy:**

- 8. Shares
- 9. Debentures
- 10. Redemption of Debentures.
- 11. Cash Flow Statement
- +
- Selection Portion.

**Commerce:**

- 4. Marketing
- +
- Selection Portion.

**Games:**

- 1. Bdminton.
- 2. Baseball.
- 3. Cricket
- 4. Shot Put.
- 5. Volleyball.
- 6. Discuss Throw.
- 7. Javelin.
- 8. Volleyball, Handball.
- Including 1<sup>st</sup> Term

**S.U.P.W.:**

- 1. File making
- 2. Paper bag.

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