

LORETO CONVENT, ASANSOL
CLASS X SYLLABUS 2023 – 2024

Selection Exams

- English:** Language:
1. Composition. (300-350 words)
2. Letter writing – Formal and Informal.
3. Notice and E-mail.
4. Comprehension.
5. Preposition.
6. Verbs.
7. Joining Sentences.
8. Transformation of sentences.
Literature :
1. Drama - Merchant of Venice – Act III, Scene II - Act IV, Scene II.
2. Poem – a) Daffodils.
b) Nine Gold Medals.
c) Abu Ben Adhem.
3. Prose – a) The Little Match Girl.
b) An Angel In Disguise.
c) The Greatest Olympic Prize.
- Bengali:** Paper 1 : Essay writing, Letter writing, Comprehension, Bakya- Sentence, Transformation of sentences (Bakya paribartan, Bachya Paribartan, Ukti Paribartan, , Asudhi Sangsadhan, Ek Kathai Prakash, Upasarga, Biparitarthak Sabda, Padantar, Dhannattak Sabda, Sammacharitto Sabda, Samarthak Sabda, Punctuation
Paper 2:
Prose – Debotar Janma, Nil Manuser Kahini, Gandehota Khub Sandehojanak
Chander Pahar – 8 to 14.
Chapters taught in class IX will be included.
- Hindi:** Literature – Prose : - Sandeh, Bheed mein khoya Aadmi
Poem – Vinay ke Pad, Bhikshuk

Language – Essays, Letters, Comprehensions, Grammar, language, vocabulary, syntax, idioms, synthesis in sentence construction, formation of sentences in the language correctly embodying given words of forms.
- History:** 1. The First War of Independence, 1857. .
2. Growth of Nationalism.
3. First Phase of the Indian National Movement.
4. Second Phase of the Indian National Movement.
5. The Muslim League.
6. The First World War.
7. Rise of Dictatorships.
8. The Second World War.

9. United Nations.
10. The Union Parliament.
11. The President and the Vice – President.
12. Prime Minister and Council of Ministers.

- Geography:**
1. Survey Maps.
 2. Climate of India.
 3. Minerals of India.
 4. India Energy Resources.
 5. Agriculture – related terms.
 6. Food Crops of India.
 7. Cash Crops of India.
 8. Soils of India.
 9. Natural Vegetation of India.
 10. Waste Management – I.
 11. Waste Management - II
 - Maps of India.
 - Project Work.

- Maths:**
1. Banking
 2. Section Formulae.
 3. Equation of Straight Line.
 4. Linear Inequation.
 5. Quadratic Equations.
 6. Mensuration.
 7. Trigonometry.
 8. Reflection.
 9. Ratio and proportion.
 10. Circles.
 11. Arithmetic progression.
 12. Factorization.

- Physics:**
1. Force
 2. Work, Power and Energy.
 3. Machines
 4. Refraction of Light at plane surface
 5. Refraction through Lens
 6. Spectrum
 7. Current Electricity.

- Chemistry:**
1. Mole Concept & Stoichiometry
 2. Metallurgy
 3. Periodic Table and properties.
 4. Chemical bonding.
 5. Analytical chemistry.
 6. Electrolysis.
 7. Organic Chemistry (contd.)
 8. Hydrochloric acid.

9. Practical based questions.

- Biology:**
1. Cell Cycle & Cell Division.
 2. Structure of chromosomes
 3. Genetics.
 4. Absorption by Roots.
 5. Transpiration.
 6. Photosynthesis.
 7. Chemical Co-ordination.
 8. The Circulatory System.
 9. Excretory System.
 10. Nervous System [Contd.]
 11. Human Evolution.

Practical:

1. Observation of permanent slides of stages of mitosis.
2. Experiments demonstrating-Diffusion, osmosis, absorption, transpiration and photosynthesis.
3. Identification of structures of heart, urinary system, kidney and brain through models and charts.
4. Identification of different types of blood cells under a microscope.

- Commercial Studies:**
1. Stakeholders in Commercial Organisation.
 2. Human Resources.
 3. Logistics.
 4. Banking.
 5. Marketing & Sales.
 6. Final Accounts.

- Economics:**
1. Theory of Production
 2. Land
 3. Labour
 4. Capital
 5. Entrepreneur
 6. Theory of Demand & Elasticity of demand.
 7. Theory of Supply & Elasticity of Supply.
 8. Market.
 9. Public Finance.

- Home Science:**
1. Budgeting and Savings.
 2. Space Organisation in the kitchen.
 3. Home Furnishing.
 4. Milestones of Development-Middle Children.
 5. Role of family, Peer Group and School.
 6. Learning Disabilities in Children.
 7. Balanced Diet.
 8. Meal Planning for the family.
 9. Storage and Preservation of food [To be continued]

Practical and Project

1. One day meal – Classify them into food groups (Project).

2. Demonstration of various innovative table layouts, napkin folding and creative decorations. [Project]
3. Planning of interiors of a home through the choice of colours and furnishing of the bedroom, living room and dining room. (Project)
4. Preparing a layout of the plan of the Home Science laboratory with complete detailing of work centres, storage areas and placement of heavy and light equipments. (Project).
5. Cooking (Practical).

Computer Applications:

1. Revision of class IX Syllabus:
Unit I- Introduction to object oriented programming concepts.
Unit II- Elementary concept of Objects and Classes.
Unit III- Values and data types.
Unit IV-Operators in Java.
Unit V-Input in Java.
Unit VI- Mathematical Library Methods.
Unit VII- Conditional constructs in Java Application
Unit VIII- Iterative constructs in Java.
Unit IX- Nested Loop
2. Library Classes.
3. User- Defined Methods.
4. Class as the Basic of all Computation.
5. Constructors
6. Encapsulation

Games:

1. Meditation & Pranayam.
2. Indoor Games.
3. Yogasana
4. Basket Ball
5. Table Tennis.
6. Badminton
7. Throwball.

S.U.P.W.:

1. Card Making out of waste material or paper cut out.
2. Peepal leaf painting.

Mock Exams

English:

Language – Revision of entire syllabus.

Literature:

1. Drama: Merchant of Venice, Act V.
 2. Prose: All Summer in a Day , Blue Bead.
 3. Poems: The Patriot, The know why the Caged Bird Sings.
- Revision of entire ICSE Syllabus.

Bengali:

Paper 1 : Essay writing, Letter writing, Comprehension, Bakya- Sentence, Transformation of sentences (Bakya paribartan, Bachya Paribartan, Ukti Paribartan, ,

Asudhi Sangsadhan, Ek Kathai Prakash, Upasarga, Biparitarthak Sabda, Padantar, Dhannattak Sabda, Sammacharitto Sabda, Samarthak Sabda, Punctuation

Paper 2:

Prose – Lokti

Sankolita (prose) and chander pahar – Entire 2 books.

Hindi:

Literature –

Prose – Bheren Aur Bheriye, Do Kalakar and full syllabus.

Poem – Chalana Hamara Kam Hai, Matra Mandir Ki Oar and full syllabus.

Language – Essays, Letters, Comprehensions, Grammar, language, vocabulary, syntax, idioms, synthesis in sentence construction, formation of sentences in the language correctly embodying given words of forms.

History:

1. Mahatma Gandhi and the National Movement.
2. Quit India Movement.
3. Forward Bloc and The INA.
4. Independence and Partition of Indian.
5. Major Agencies of the United Nations.
6. Non – Aligned Movement.
7. The Supreme Court.
8. The High Courts and Subordinate Courts.

Geography:

1. Survey maps
 2. Agro Based Industries.
 3. Mineral based Industries.
 4. Water Resources.
 5. Transport.
- Revision of all the chapters done in first term
Mapwork – Map of India (ICSE) – Full Syllabus.

Maths:

1. Geometric Progression.
 2. Goods and Service Tax.
 3. Shares and Dividends.
 4. Similarity
 5. Locus
 6. Construction.
 7. Heights and Distances.
 8. Measures of Central Tendency.
 9. Probability.
 10. Matrices.
- Full Syllabus

Physics:

1. Sound.
2. Household Circuit.
3. Electro-magnetism.
4. Calorimetry.

Chemistry:	5. Radioactivity Full syllabus 1. Organic chemistry. 2. H_2SO_4 3. HNO_3 4. Acids, bases and salts. 5. NH_3 Full Syllabus.
<u>Practicals –</u>	1. Action of heat on the following solutions [$ZnCO_3$, $CuCO_3$, $Zn(NO_3)_2$, $Pb(NO_3)_2$] 2. PH of different solution. 3. Identification of cations. 4. CuO / MnO with Conc. HCl
Biology:	1. Nervous System [To be contd.] 2. Endocrine System. 3. The Reproductive System. 4. Population. 5. Pollution. <u>Practical:</u>
	1. Identification of the Internal Structure of eye and ear. 2. Location and Identification of selected Endocrine Glands through model and charts [Adrenal, Pancreas, Thyroid, Pituitary] (Full Syllabus for Mock Examination)
Commercial Studies:	7. Government initiation in environmental Protection. + Selection Portion.
Economics:	1. Money. 2. Banking. 3. Inflation. 4. Consumer Awareness. (Entire syllabus for ICSE examination)
Home Science:	1. Storage and Preservation of food (To be Contd.) 2. Selection of Fabrics. 3. Selection of Readymade Garments. 4. Laundering. 5. Laundry Material. 6. Social and Economic Issues in India. 7. Role of Government Towards a developed India. 8. Communication Adds. Full Syllabus.
<u>Practical & Project:</u>	1. Preparing a family budget [Project] 2. Communication and Extention. [Project]

3. Appetizers [Practical]
4. Flower Arrangement [Practical]
5. Floor decorations [Practical]

Computer Applications:

1. Arrays.
 2. String handling.
 3. Revision of all the chapters of the First Term.
- Project Works.

Games:

1. Cricket.
2. Hockey.
3. Shot Put.
4. Discus Throw.
5. Javelin Throw.
6. Long Jump.
7. Handball.
8. Including 1st term.

S.U.P.W.:

1. Pot painting.
2. Knitting muffler or scarf.

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