

LORETO CONVENT, ASANSOL
CLASS X SYLLABUS 2022 – 2023

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) I Know Why the Cage Bird Sings.
 - b) Nine Gold Medals.
 - c) Abu Ben Adhem.
3. Prose –
 - a) The Little Match Girl.
 - b) The Blue Bead.
 - c) The Greatest Olympic Prize.

Bengali:

Paper 1 : Essay writing, Letter writing, Comprehension, Transformation of sentences (Bakya paribartan, Bachya Paribartan, Ukti Paribartan, sadhu o cholit), Bagdhara, 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.

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. Goods and Service Tax (GST)
 3. Shares and Dividends.
 4. Linear Inequation.
 5. Quadratic Equations in one variable.
 6. Matrices.
 7. Similarity.
 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.
 8. Sound.

- 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 coordinates in plants.
 8. The Circulatory System.
 9. Excretory System.
 10. Nervous System [To be contd.]
 11. Human Evolution.

Practical:

1. Observation of permanent slides of stages of mitosis.
2. Experiments on 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.
 2. Marketing and Sales.
 3. Final Accounts.
 4. Capital & Revenue.

5. Cost.
6. Budgeting.
7. Sources of Finance.
8. Logistics.

- 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.
 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 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. Class as the basis of all computation.
 2. User defined methods.
 3. Constructors.
 4. Library Classes.
 5. Encapsulation.
 6. Revision of Class IX syllabus.
- Programming Assignments: Based on the chapters taught.

- 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 with paper cutting decoration.
 2. Peepal leaf art..

Mock Exams

- English:**
- Language – Revision of entire syllabus.
- Literature:
1. Drama: Merchant of Venice, Act V.
 2. Prose: All Summer in a Day.
 3. Poems: The Patriot.
- Revision of entire ICSE Syllabus.

- Bengali:** Paper 1 : Essay writing, Letter writing, Comprehension, Transformation of sentences (Bakya paribartan, Bachya Paribartan, Ukti Paribartan, sadhu o cholit), Bagdhara, 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.
- 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. Co-ordinate Geometry (Section Formula and Equation of a Straight Line)
 2. Mensuration.
 3. Trigonometric Identities.
 4. Trigonometrical Tables.
 5. Heights and Distances.
 6. Measures of Central Tendency.
 7. Probability.
 8. Geometric Progression.
 9. Locus.
 10. Constructions.
- Entire Syllabus
- Physics:**
1. Household Circuit.
 2. Electro Magnetism.
 3. Calorimetry.
 4. Radioactivity.
- Chemistry:**
1. Organic chemistry (cont.)
 2. Sulphuric acid.
 3. Nitric Acid.
 4. Acids, bases and salts.
 5. Ammonia.
- Full Syllabus.
- Practicals –**
1. Identification of gases.
 2. Identification of anions.

3. Identification of cations.
4. CuO / MnO with Conc. HCl
5. pH of different solutions.

Biology: 1. Nervous System [To be contd.]

2. Endocrine System.
3. The Reproductive System.
4. Population.
5. Pollution.

Full Syllabus

Practical:

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]
- Assessment [Practical]

Commercial Studies: 1. Human Resources.

2. Banking.
 3. Government Initiatives in Environment Protection.
- Selection Portion Included.

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 Aids.
- Full Syllabus.

Practical & Project: 1. Preparing a family budget [Project]

2. Communication and Extension. [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.
- Assignments.

Games: 1. Cricket.

2. Shot Put.
3. Long Jump.
4. Discus Throw.
5. Javelin Throw.
6. Hurdles.
7. Dribble.
8. Including 1st term.

S.U.P.W.: 1. Tassel making in Dupatta

2. Bottle Art.
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