

LORETO CONVENT, ASANSOL
CLASS IX SYLLABUS 2022 – 2023

1st Term

English:

Language – Composition, Letter Writing (Formal and Informal), Notice and Email writing, Comprehension, Preposition, Verbs, Joining Sentences & Transformation of Sentence.

Literature –

Prose: 1) Old Man at the Bridge.
2) A face in the dark.
3) A Horse and two goats.

Poem: 1) The Cold Within
2) The Bangle Sellers.
3) After Blenheim.

Drama – Merchant of Venice Act I – Scenes 1, 2 & 3 , Act II – Scenes 1 & 2.

Bengali:

Language - Essay, Letter, Comprehension, opposites, Pandantar, asuddhi sangsodhan, Upsargo, Ek kathay Prakash, Bagdhara, Dhanyatwak.

Literature: Sankalita: Ginni, Lalu, Bama,
Chander Pahar – Chapter: 1 to 4

Hindi:

Literature – Sahitya Sagar: Story – Bat Athanni Ki, Kaki, Mahayagya Ka Puraskar
Poem: Sakhi, Giridhar Ki Kundaliyan, Swarg Bana Sakate Hain.

Language – Essays, letters, comprehension, grammar, language, vocabulary, syntax, idioms, synthesis in sentence construction, formation of sentences in the language correctly embodying given words and forms.

History:

- 1) The Harappan Civilisation.
- 2) The Sangam Age.
- 3) The Vedic Period.
- 4) The Age of the Guptas.
- 5) Jainism and Buddhism.
- 6) The Modern Age in Europe: Renaissance.
- 7) The Mauryan Empire.
- 8) The Modern Age in Europe: Reformation.

Civics:

- 1) Our Constitution.
- 2) Salient Features of the Constitution I
- 3) Elections.
- 4) Salient Features of the Constitution II

Geography:

1. Earth as a Planet.
 2. Geographic Grid – Latitude and Longitude.
 3. Rotation and Revolution.
 4. Earth's Structure.
 5. Landforms of the Earth.
 6. Rocks.
 7. Volcanoes.
 8. Earthquakes.
 9. Composition and Structure of the Atmosphere.
 10. Isolation.
- Mapwork: World map (ICSE)
Project Work (20)

Maths :

1. Compound Interest
2. Rational and Irrational Numbers
3. Expansion.

4. Factorization
5. Simultaneous Equation and it's problems.
6. Indices.
7. Triangles.
8. Mid Point Theorem.
9. Circles [Chord and arc properties]
10. Mensuration.
11. Trigonometrical Ratios.
12. Trigonometrical ratio of standard angles.

Physics:

1. Measurement and Experiment.
2. Motion in one dimension.
3. Laws of motion.
4. Pressure in fluids and atmospheric pressure.
5. Upthrust in fluids, Archimedes' Principle and Floatation.
6. Reflection of light.

Chemistry:

1. The Language of Chemistry.
2. Chemical Changes and Reactions.
3. Water.
4. Atomic Structure and Chemical Bonding.
5. The Periodic Table.
6. Study of Gas Laws.

Biology:

1. Cell (Revision)
2. Tissues.
3. The Flower.
4. Pollination and Fertilization.
5. Seeds: Structure and Germination.
6. Respiration in Plants.
7. Five Kingdom Classification.
8. Economic Importance of Bacteria and Fungi.
9. Nutrition.
10. Aids to Health.
11. Health Organisations.
12. Waste Generation and Management.

Practical:

1. Onion peel, cheek cell.
2. Hibiscus Flower.
3. Germinating seeds : bean, maize.
4. Classification of animals.

Commercial Studies:

1. Commercial Activities.
2. Communication in Commercial Organisations.
3. Meaning and objective of Accounting and Book – Keeping.
4. Journal ; Ledger ; Trial Balance.
5. Banking.

Economics:

1. Meaning & Definition of Economics.
2. Branches of Economies and Types of Activities.
3. An Economy – Its Sectors, Basic Concepts & Entities.
4. Types of Economies.
5. Basic Problems of an Economy.
6. Indian Economy: Primary Sector.

- Home Science:**
1. Concept and Scope of Home Science.
 2. Food and Health.
 3. Nutrients and their Functions.

4. Growth and Development.
5. Play and Play School – Early Child.
6. Disease and Prevention.
7. Colour and its Applications.
8. Lighting in the Home.
9. Sustainable Utilisation of Fuels and Energy (To be Continued)

Practical and Project:

1. Fireless Cooking (Practical)
2. Floor Decoration (Practical)
3. Salad Making (Practical)
4. Identification of pulses, cereals and spices. (Project)
5. Identification of serving and cooking equipments.(Project)
6. Preparation of nutritious snacks using different methods of cooking. (Practicals)
7. Demonstration of various cuts of vegetables and fruits such as chop, dice, mince, juliennes to make easy salads.

Computer Applications:

1. Introduction to object oriented programming concepts.
2. Elementary concept of Objects and Classes.
3. Values and data types.
4. Operators in Java.
5. Input in Java.

Assignments.

Games:

1. Meditation & Pranayam
2. Yogasana.
3. Indoor Games.
4. Table Tennis.
5. Basketball.
6. Throwball.
7. Kho-kho.

S.U.P.W.:

1. Stones or Pebbles Painting..
2. Stitching.
3. Cushion.

Final Term

English:

Language – Composition, Letter Writing (Formal and Informal), Notice and Email writing, Comprehension, Preposition, Verbs, Joining Sentences & Transformation of Sentence. Literature – Prose: 1) Chief Seattles Speech. 2) An Angel in Disguise. 3) Hearts and Hands.

Poem: 1) The Heart of the Tree.
2) Daffodils.
3.) Television.

Drama : Merchant of Venice - Act II - Scenes 3 to 9, Act III - Scene 1.

Bengali:

Essay, letter, comprehension.
Grammar – 1st Term Syllabus.

Literature: Sankalita: Canvaser, Naam, Asahajogy.
Chander Pahar: Chapter: 5 to 8

Hindi:

Literature - Story – Netaji Ka Chashma, Apna Apna Bhagya, Bareh Ghar Ki Beti.
Poem: Wah Janmabhumi Meri, Megh Aaya, Sur Ke Pad.

Language – Essays, letters, comprehension, grammar, language, vocabulary, syntax, idioms, synthesis in sentence construction, formation of sentences in the language correctly embodying given words and forms.

History:

- 1) Medieval India – The Cholas.
- 2) Medieval India – The Delhi Sultanate.
- 3) Medieval India – The Mughal Empire.
- 4) Medieval India – The Composite Culture.
- 5) The Modern Age in Europe – Industrial Revolution.

Civics:

- 1) Local Self Government – Rural.
- 2) Local Self Government – Urban.

Revision of the whole Syllabus.

Geography:

1. Weathering.
2. Denudation.
3. Hydrosphere.
4. Atmosphere Pressure and Winds.
5. Humidity.
6. Pollution.
7. Sources of pollution.
8. Effects of Pollution.
9. Preventive Measures.
10. Natural Regions of the World.

Revision of all the first Term Chapters.
Mapwork: World map (ICSE) – Full Syllabus.
Project (10) + Practical File (10)
Project: done in the first term.
Practical Work: from topics given in the syllabus.

Maths:

1. Logarithms.
2. Pythagoral Theoram.
3. Quadratic Equations.
4. Mensuration (contd)
5. Statistics.
6. Theorams of Area.
7. Rectilinear Figures.
8. Coordinate geometry.

Physics:

1. Heat and energy.
2. Propagation of sound wave.
3. Current electricity.
4. Magnetism.

Chemistry:

1. Hydrogen.
2. Atmospheric Pollution.
3. Study of Gas Laws (Revision)
4. Language of Chemistry (Revision)
5. Atomic Structure and Chemical Bonding (Revision).
6. Practical Based Questions.

Entire Syllabus
Practicals and Projects:

1. Recognition and Identification of gases.
2. Action of heat on a given (unknown) substance.
3. Action of dilute Sulphuric acid on a given substance.
4. Flame Test.

Biology:

1. Movement and Locomotion.
2. Digestive System.
3. Skin.
4. The Respiratory System.

5. Hygiene.
6. Diseasesl.

Practical:

1. Identification of Sugar, Starch, protein and fat.
2. Identification of lungs and Skin.
3. Study of different types of movable joints.
4. Breathing Mechanism.

Entire Syllabus.

Commercial Studies:

1. Important departments of a Commercial Organisation.
2. Trade.
3. Social responsibility of Commercial Organisation towards the Environment.
4. Cash Book.

First Term Syllabus included.

Economics:

1. Secondary Sector.
2. Tertiary Sector.
3. Major Problems of Indian Economy – Poverty and Unemployment.
4. Major Reforms and Emerging Trends in Indian Economy.
5. Primary Sector. (Contd)

All the chapters in the syllabus.

Home Science: 1. Sustainable Utilisation of Fuels and Energy (To be Continued)

2. Maintenance of Sanitation and Hygiene.
3. Waste Segregation.
4. Fibres: Properties and uses.
5. Fabric Structure.
6. Communication and Extention.
7. Food and Health. (Revision)
8. Nutrients and their Functions. (Revision)
9. Colour and its Application. (Revision)

Practical and Project

1. Collecting ten play materials and evaluating them in terms of their merits and demerits. (Project)
2. Observing a group of juniors, middle school children during the lunch break and recording observations with respect to the language used, choice of friends, games played, etc. (Project)
3. Identification of fibres – cotton, wool, silk and synthetics.(Project)
4. Preparation of food using simple cooking techniques. (Practical)

Computer Applications:

1. Mathematical Library Methods.
2. Introduction to package java.lang [default], methods of Math class. Pow(x,y), sqrt(x), cbrt(x), ceil(x), floor(x), round(x), abs(a), max(a,b), min (a,b), random(). Java expressions – using all the operators and methods of Math class.
3. Conditional construts in Java Application..
4. Iterative constructs in Java.

Assignments.

Games:

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

S.U.P.W.:

1. Pompoms.
2. Card making.

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