

LORETO CONVENT, ASANSOL
CLASS IX SYLLABUS 2023 – 2024

1st Term

English: Language – Composition(300-350 words), Letter Writing (Formal and Informal), Notice and Email writing, Comprehension with Summery, Preposition, Verbs, Joining Sentences & Transformation of Sentence.

Literature –

Prose(Treasure Chest)- Banku Babu's Friend- Satyajit Ray.

Oliver Asks for More- Charles Dickens.

The Model Millionaire – Oscar Wilde.

Poetry (Treasure Chest) – A work of Artifice- Marge Piercy

Skimbleshanks- T.S.Eliot.

I Remember, I Remember- Thomas Hood.

Drama(Julius Caesar) – Act I, Scenes I, II and III.

Bengali: Language - Essay, Letter, Comprehension, sentences, opposites, Pandantar, asuddhi
sangsodhan, Upsargo, EkkathayPrakash, Bagdhara, Dhanyatwak shabdo, pratyay.

Literature: Sankolita: Ginni, Lalu, Bama,
ChanderPahar – Chapter: 1 to 4

Hindi: Literature Poem- Sakhi, Giridhar ki Kundaliyan, Swarg Bana sakte hain
Prose- Bat Athanni ki, Kaki , Mahayagya ka Purskar

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. Insolation.

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 including Mid Point Theorem.
8. Mensuration.
- 9.. Trigonometrical Ratios.
10. Coordinate Geometry.

Physics:

1. Measurement and Experimentation.
2. Motion in one dimension.
3. Laws of motion.
4. Pressure in fluids and atmospheric pressure.
5. 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.

Practical :

1. Recoqnition and identification of certain gases: H_2 , O_2 , Cl_2 , HCl , SO_2 , H_2S , NH_3 , H_2O vapour, NO_2 .
2. Action of heat on the following components: $CuCO_3$, $ZnCO_3$, $Na_2CO_3 \cdot 10H_2O$, $CuSO_4 \cdot 5H_2O$, $ZnNO_3$, $Cu(NO_3)_2$, $Pb(NO_3)_2$, NH_4Cl .

Biology:

1. Cell : the unit of life
2. Tissues: plant and animal tissues
3. The Flower

4. Pollination and Fertilization
5. Seed: 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 organizations
12. Waste Generation and management

Practical:

1. Onion peel
2. Cheek cell
2. Hibiscus flower
3. Germinating seeds: bean and maize
4. Classification of animals

Commercial Studies:

1. Commercial Activities
2. Communication in Commercial Organisation.
3. Introduction to Accounting and Book Keeping.
4. Banking.
5. Trade.

Economics:

1. Meaning & Definition of Economics.
2. Branches of Economics 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 Utilization 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. (Project)

Computer Applications:

1. Introduction to Object Oriented Programming concepts
2. Elementary Concept of Objects and Classes
3. Values and datatypes
4. Operators in Java
5. Input in Java
6. Conditional constructs in Java
7. Iterative constructs in Java

Games:

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

S.U.P.W.:

1. Table calander.
2. Cotton dupatta painting (Bandhej)
3. Button and hook stitching with hook loop.

Final Term**English:**

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

Literature –

Prose (Treasure Chest)- Home Coming- Rabindranath Tagore.
The Boy Who Broke the Bank- Ruskin Bond.

Poetry (Treasure Chest) – A Doctor's Journal Entry- Vikram Seth.
The Night Mail- W.H. Auden

Drama (Julius Caesar) – Act II

Bengali:

Paper I- 1st Term Syllabus.

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

Hindi:

Literature – Poem – Wah Janmabhumi meri, megh aaye, sur ke Pad.
Prose- Netaji ka chasma, apna- apna bhagya, bade ghar ki beti.

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. Atmospheric 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.
 Practical File

Maths:

1. Logarithms.
2. PythagoralTheoram.
3. Circles (Chord and Arc Properties)
4. Mensuration (contd)
5. Statistics.
6. Theorams of Area.
7. Rectilinear Figures.
8. Construction of quadrilaterals.
9. Trigonometical Ratio of Standard Angles.
Full Syllabus
10. Quadratic Equations.

Physics:

1. Upthrust in fluids, Archimedes' Principle and Floatation.
2. Heat and energy.
3. Propagation of sound wave.
4. Current electricity.
5. Magnetism.
6. Revision of all chapters in First Term.

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:
 1. Action of dilute Sulphuric acid on a given substance
(a) a metal (b) a carbonate (c) a sulphide (d) a sulphite.
 2. Flame Test: a sodium salt, a potassium salt a calcium compound.

Biology:

1. Digestive system
2. Skeleton: movement and locomotion
3. The skin: the jack of all trades
4. The respiratory system of animals
5. Hygiene: A key to healthy life
6. Diseases: Causes and control
Practical: 1. Identification of sugar, starch, protein and fat.
2. Identification of lungs and skin
3. Breathing mechanism
(Revision of all chapters)

Commercial Studies:

1. Social Responsibility of Commercial Organisation towards the environment.
2. Important departments of a Commercial Organisation.

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1st Term Portion.

Economics:

2. Secondary Sector.
3. Tertiary Sector.
4. Major Problems of Indian Economy – Poverty and Unemployment.
5. Major Reforms and Emerging Trends in Indian Economy.
1. 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 Extension.
7. Food and Health. (Revision)
8. Nutrients and their Functions. (Revision)
9. Colour and its Application. (Revision)
10. Lighting in the Home (Revision)
11. growth & Development (Revision)
Entire syllabus.

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. Conditional constructs in Java
3. Nested for loops
4. Computing and Ethics
5. Revision-
All chapters of first term

Games:

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

S.U.P.W.:

1. Sandwich making.
 2. Cushion cover decoration.
 3. Gift envelope making.
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