

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS XII 2023

1st Term EXAMINATION

1. ENGLISH LANGUAGE

As discussed in the class.

Unit Test I

- 1) Prepositions
- 2) Proposal Writing

2. ENGLISH LITERATURE

Short Stories (Echoes)

- 1) Quality
- 2) Fritz
- 3) The Singing Lesson

Poems (Reverie)

- 1) Birches
- 2) Darkling Thrush
- 3) Dolphins

The Tempest

- 1) Act III

[Class XI full syllabus included]

Unit Test: The Tempest Act 3 Sc 1: Sc 2

3. PHYSICS

- 1) Electro Statics
- 2) Current Electricity
- 3) Magnetism
- 4) Electromagnetism

Unit Test I – Electric Potential and Electric Field

4. CHEMISTRY

- 1) Solid State
- 2) Solutions
- 3) Chemical Kinetics
- 4) Surface Chemistry
- 5) Haloalkanes and Haloarenes
- 6) Alcohol, Phenol and Ether
- 7) Chemistry in Everyday Life

Unit Test I

- 1) Chemical Kinetics
- 2) Chemistry in Everyday Life

Practical Classes

5. BIOLOGY

Chapters :

- 1) Reproduction in Organism
- 2) Sexual Reproduction in Flowering Plant
- 3) Human Reproduction
- 4) Reproductive Health
- 9) Strategies for enhancement in Food Production
- 10) Microbes in Human Welfare
- 14) Ecosystem

Unit Test I

Chapter 1 – Reproduction in Organism

Chapter 2 – Sexual Reproduction in Flowering Plant

6. MATHEMATICS

Section – A

- 1) Relation, Function
- 2) Inverse Trigonometric Function
- 3) Matrices : Types and Operations
- 4) Determinants
- 5) Matrices : Adjoint and Inverse of Square Matrix
- 6) Continuity
- 7) Differentiability
- 8) Rolle's Theorem, Mean Value Theorem and their applications
- 9) Integrals
- 10) Vectors

Section – B : Vectors

Unit Test I

- 1) Relation, Function
- 2) Determinants
- 3) Matrices

7. COMPUTER

- 1) Boolean Algebra
- 2) Computer Hardware
- 3) Programming in Java (Review of Class XI)
- 4) Functions
- 5) Arrays, String
- 6) Inheritance

Unit Test I

- 1) Boolean Algebra
- 2) Computer Hardware

8. ECONOMICS

- 1) Demand
- 2) Theory of Consumer Behaviour
- 3) Elasticity of Demand
- 4) Supply – Law of Supply and Price Elasticity of Supply
- 5) Money : Money and Functions
- 6) Banks : Commercial Bank and Central Bank
- 7) Fiscal Policy
- 8) Government Budget
- 9) National Income : Circulation of Income
- 10) Market Mechanism

Unit Test I – Money and Banking

9. GEOGRAPHY

Chapters – 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 20
(Map of India), Practical

Unit Test I – Case Studies (Chapter)

10. POLITICAL SCIENCE

Section - A

- 1) Totalitarian, Authoritarian Govt.
- 2) Unitary and Federal Government
- 3) Parliamentary and Presidential Government
- 4) Constitutions – Meaning and Kinds

- 5) Franchise and Representation
- 6) Legislature in India and USA

Section – B

- 9) Preamble
- 10) Salient Features of the Indian Constitution
- 11) Fundamental Rights
- 12) Directive Principles of State Policy

Unit Test I – Ch. 4 :- Constitution : Meaning & kinds

11. SOCIOLOGY

- Ch 1 – Social Institutions
Ch 2 – Religion & Society
Ch 4 – Economic Organisation
Unit Test I – Ch. 2 : Religion & Society

12. ART

- 1) Still Life – Art Paper – I
 - 2) Original Imaginative Composition in Colour - Art Paper 4
 - 3) Craft A – Art Paper 5
- H/W
1. Two still life
 2. Men at work
 3. Child Labour
 4. Uttariya Make design with fabric.

13. SUPW

- 1) Uttariya Make design with fabric.

2nd Term EXAMINATION

Entire Syllabus is included in the 2nd Term Examination for all Subjects.

1. ENGLISH LANGAUGE

As discussed in the class.

Unit Test II

- 1) Verbs ; Tenses
- 2) Report Writing

2. ENGLISH LITERATURE

Short Stories (Echoes)

- 1) B Wordsworth
- 2) The Story of an Hour
- 3) The Singing Lesson

Poems (Reverie)

- 1) John Brown
- 2) Dover Beach

The Tempest

- 1) Act IV
- 2) Act V

Unit Test II

The Tempest IV

[Half Yearly Syllabus included]

3. PHYSICS

- 1) Electromagnetism (Contd.....)
- 2) Alternating Current
- 3) Wave Optics

- 4) Ray Optics and optical instrument
- 5) Electron and Photons
- 6) Nuclei
- 7) Semi Conductor Physics
- 8) Communication System

Unit Test II – Alternating Current

4. CHEMISTRY

- 1) Electrochemistry
- 2) General Principles and Processes of Isolation of Elements
- 3) P – block Elements
- 4) d – and f block Elements
- 5) Co-ordination Compound
- 6) Aldehyde, Ketones, Carboxylic Acid
- 7) Organic Compounds – of Nitrogen
- 8) Biomolecules

Unit Test II

- 1) **Electrochemistry**
- 2) **Co-ordination Compound**

Practical Classes

N.B: Entire Syllabus is included in the Final Exam.

5. BIOLOGY

Chapters :

- 5) Principle of Inheritance and Variation
- 6) Molecular Basis of Inheritance
- 7) Evolution
- 8) Human health and Disease
- 12) Biotechnology and its Application
- 13) Organisms and its Population
- 15) Biodiversity and it Conservation
- 16) Environmental Issue

(Half Yearly Syllabus included)

Unit Test II

Chapter 5 – Principle of Inheritance and Variation

Chapter 6 – Molecular Basis of Inheritance

6. MATHEMATICS

Whole ISC Syllabus

Unit Test II

- 1) **Integrals**
- 2) **Differential Equation**

7. COMPUTER

- 1) Inheritance and Polymorphism
 - 2) Data Structures
 - 3) Complexity and Big Notation
 - 4) Boolean Algebra
 - 5) Computer Hardware
- (Half Yearly Syllabus also included)

Unit Test II

- 1) **Boolean Algebra**
- 2) **Computer Hardware**
- 3) **Data Structures**
- 4) **Programs**

8. ECONOMICS

- 1) Cost and Revenue Analysis
- 2) Theory Of Income & Employment
- 3) Forms of Market
- 4) Producer's Equilibrium
- 5) Determination of Equilibrium Price and Output Under Perfect Competition
- 6) Balance of Payments and Exchange Rate
- 7) National Income Aggregates
- 8) Methods of Measuring National Income

Unit Test II – Theory of Income and Employment

9. GEOGRAPHY

Chapters – 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

Map of India

All the Chapters of 1st Term are included

Unit Test II – Water Resources (Chapter 13)

Map Of India

10. POLITICAL SCIENCE

Section – A

- 8) The Judiciary – India USA
- 9) Organs of Govt. – The Executive (Indian & USA)
- 10) Organs of Govt. – The Judiciary

Section – B

- 13) Local Self Government – Urban & Local
- 14) Democracy in India – Challenges and Perspectives

Unit Test II Ch. 10 : The Judiciary

11. SOCIOLOGY

Ch. 3 – Political Organisation

Ch. 5 – Tribal India – Past, Present & Future

Ch. 6 – Social Stratification

Ch. 7 – Social Change & Development

Unit Test II – Ch. 5: Tribal India

12. ART

Art paper – 1, Art paper – 4, Art paper – 5

H/W

1. Rangoli design on the board
2. Two still life
3. Vegetable market

SUPW

1. Table mat

ISC Final project - Student will submit their Uttariya or table mat along with project copy being covered with pink cover.

[Note : Half Yearly Syllabus for all the Subjects will be included in the Final Examination.]

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