

# HOLY CROSS SCHOOL, AGARTALA

## SYLLABUS FOR CLASS XII 2025

### **Half-Yearly EXAMINATION**

#### **1. ENGLISH LANGUAGE**

As discussed in the class.

##### **Unit Test I**

- 1) Prepositions
- 2) Transformation of Sentences

#### **2. ENGLISH LITERATURE**

##### **Poems**

- 1) Telephone conversation
- 2) Tithonus

##### **Short Stories**

- 1) Atithi
- 2) The cookie Lady
- 3) There will come soft rains

##### **Macbeth**

- 1) Act III

**Unit Test: Macbeth Act 3 Sc. i, ii**

#### **3. PHYSICS**

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

**Unit Test I – Electric Potential and Electric Field**

#### **4. CHEMISTRY**

- 1) Ch.1. Solutions
- 2) Ch. 3. Chemical Kinetics
- 3) Ch. 4. d and f block elements
- 4) Ch. 6. Haloalkanes and Haloarenes
- 5) Ch. 7. Alcohols, Phenols and Ethers
- 6) Ch.10. Haloalkanes and Haloarenes  
(Practical's Included)

##### **Unit Test I**

- 1) Ch. 3. Chemical Kinetics

#### **5. BIOLOGY**

Veerbala Rastogi - Book

##### **Chapters :**

- 1) Sexual Reproduction in Flowering Plant
- 2) Human Reproduction
- 3) Reproductive Health
- 5) Microbes in Human Welfare
- 6) Ecosystem

##### **Unit Test I**

**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) Indefinite Integrals
- 10) Vectors

##### **Section – B :**

- 1) Vectors
- 2) Three Dimensional Geometry

##### **Unit Test I**

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

#### **7. COMPUTER**

- 1) Boolean Algebra
- 2) Computer Hardware
- 3) Programing 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. 1 : Social Institutions**

**12. Psychology**

**Unit Test I – Ch. 1 : Intelligence and Ability**

**Half-Yearly**

Ch 2 – Personality

Ch 3 – Life span Development

Ch 4 – Stress and stress management

Ch 5 – Psychological disorders & Psychotherapy

**Including Unit Test Chapters**

**13. Physical Education**

**Half Yearly**

**Section A – 1) Sociological Aspects of physical Education.**

2) Training method

3) Competition and Tournament.

**Section B:**

Any two of the following games are to be studied.

cricket, Football, Hockey, Basketball, Tennis, Volleyball, Badminton Swimming, Athletics.

**Unit test - Training method.**

**14. ART**

1) Art Paper-I (Still Life)

2) Art Paper-II (Drawing or painting from Nature)

3) Art Paper-IV (Original Imaginative composition in colour)

4) Make Design with shilpkar on the board (C/W)

**Home Work**

1. Two composition in colour

i) Water conservation

ii) Book fair in your city

2. Relief work on a big soap

4. Two Nature study

**15. SUPW**

1) Table cloth (Girls for stitching X Boys for fabric colours)

**Final EXAMINATION**

**Entire Syllabus is included in the Half-Yearly Examination for all Subjects.**

**1. ENGLISH LANGAUGE**

As discussed in the class.

**Unit Test II**

1) **Verbs / Tenses**

2) **Proposal writing**

**2. ENGLISH LITERATURE**

Poems

1) Beethoven

2) Small Towns and the River

3) Death be not proud

Short Stories

1) Indigo

2) The Medicine Boy

Macbeth

1) Act IV

2) Act V

**Unit Test II**

1) Indigo

2) Bethovan

[ 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 (Exclude Digital electronics Junction Transistor)

**Unit Test II – Alternating Current**

**4. CHEMISTRY**

Ch.2. Electrochemistry

Ch. 5. Coordination Compounds

Ch. 8. Aldehydes, ketones and Carboxylic Acids

Ch. 9. Organic Compounds Containing Nitrogen

Ch. 10. Biomolecules

(Half-Yearly Syllabus Included)+ Practicals

**Unit Test II**

**Ch. 10. Biomolecules**

**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**

## **6. MATHEMATICS**

Whole ISC Syllabus

**Unit Test II**

- 1) **Definite 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 1<sup>st</sup> 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 Organization

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

Ch. 6 – Social Stratification

Ch. 7 – Social Change & Development

**Unit Test II – Ch. 6: Social Stratification**

## **12. Psychology**

**Final Exam**

Ch 6 – Social Thought and Social Behaviour

Ch 7 – Attitudes

Ch 8 – Psychology in relation to the environment and social concerns.

**Including Unit Test and Half-Yearly Chapters**

## **13. Physical Education**

**Final Exam**

**Section-A:**

- 1) Health Education and Health Problem.
- 2) Career Aspects in physical Education.
- 3) Sports injuries and first aid.

Section-B: Same games have to be studied once again as mentioned above.

**Unit Test-II**

Sports Injuries and first aid.

[Including all the Syllabus of Half-yearly Exam- Section-A and Section-B]

## **14. ART**

- 1) Art Paper-I (Still Life)
- 2) Art Paper-II (Drawing or painting from Nature)
- 3) Art Paper-IV (Original Imaginative composition in colour)
- 4) Scroll Painting (C/W)

**Home Work**

1. Two composition in colour
  - i) Swachh Bharat
  - ii) Save Trees
2. Make Design with fabric colour on the dry leaves
4. Two still life.

**SUPW**

1. Artificial flower with cloth (10 pieces)

ISC Final project - Student will submit their Table cloth or Flower along with pink cover.

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

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