

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - XII 2021

HALF YEARLY EXAMINATION

1. ENGLISH LANGUAGE

As discussed in the class.

Unit Test I

- 1) Prepositions
- 2) Transformation of Sentences

2. ENGLISH LITERATURE

Short Stories (Echoes)

- 1) To Build a Fire
- 2) Story of an Hour
- 3) The Singing Lesson

Poems (Reverie)

- 1) Crossing the Bar
- 2) Darkling Thrush
- 3) Dover Beach

The Tempest

- 1) Act III, Act IV (Till Line 124)
[Class XI full syllabus included]

Unit Test I

- 1) The Singing Lesson
- 2) Crossing The Bar

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
- 8) Polymers

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

Unit Test I – Banks : Commercial Bank and Central Bank

9. GEOGRAPHY

Chapters – 1, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 19 and 20

Map of India

Unit Test I

Regional Economic Development (Case Studies)

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. 2 -: Unitary and Federal Govt.

11. SOCIOLOGY

- Ch 1 – Social Institutions
Ch 2 – Religion & Society
Ch 4 – Economic Organisation

Unit Test I – Ch. 4 : Economic Organisation

12. ART

- 1) Still Life – Art Paper – I
- 2) Original Imaginative Composition in Colour - Art Paper IV
- 3) Craft A – Art Paper V

13. SUPW

- 1) Uttariya Making design with Indian (i) Glass Painting Chitrakala

FINAL EXAMINATION

Entire Syllabus is included in the Final Examination for all Subjects.

1. ENGLISH LANGAUGE

As discussed in the class.

Unit Test II

- 1) Prepositions
- 2) Transformation of Sentences

2. ENGLISH LITERATURE

Short Stories (Echoes)

- 1) B Words Worth
- 2) The Sound Machine
- 3) A Gorilla In The Guest Room
- 4) The Chinese Statue

Poems (Reverie)

- 1) We are the Music Makers
- 2) Birches
- 3) Desiderata
- 4) The Gift Of India

The Tempest

- 1) Act IV : Sc. 1 (From Line 125 onwards)

Sc. 2

- 2) Act V

UNIT II : i) B. Wordsworth

li) We Are The Music Makers

[Class IX and 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) Aldehydes, Ketones, Carboxylic Acid
- 7) Organic Compounds – of Nitrogen
- 8) Biomolecules

Unit Test I

- 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) Market Mechanism : Equilibrium
- 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 and Circular Flow of Income
- 8) National Income Aggregates
- 9) Methods of Measuring National Income
- 10) Theory Of Income and Employment

Unit Test I – Theory of Income and Employment

9. GEOGRAPHY

Chapters – 2, 6, 14, 15, 16, 17, 18

Map of India

All the Chapters of Half Yearly are included

Unit Test II – Transport and Communication

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. 7 : The Executive

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. SUPW

Student will submit their Uttariya or Glass Painting along with project copy being covered with white cover.

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

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