

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - XI 2021

HALF YEARLY EXAMINATION

1. ENGLISH LANGUAGE

As discussed in the class.

2. ENGLISH LITERATURE

Short Stories (Echoes)

- 1) Fritz
- 2) Gorilla in the Guest Room

Poems (Reverie)

- 1) The spider and the Fly
- 2) Desiderata

The Tempest

- 1) Act I : Sc. 1, 2
- 2) Act II : Sc. 1 till line no. 180 (enter Ariel invisible...)

3. PHYSICS

- 1) Unit
- 2) Dimensions
- 3) Vectors and scalars
- 4) Dynamics
- 5) Friction

4. CHEMISTRY

- Ch. 1) Basic Concepts of Chemistry
- Ch. 2) Structure of Atom
- Ch. 3) Classification of Elements and Periodicity of Properties
- Ch. 4) Chemical Bonding
- Ch. 10) S-block Elements
- Ch. 11) Organic Chemistry : Some basic Principles and Techniques
(Practical Classes included)

5. BIOLOGY

Chapters :

1. The Living World
2. Biological Classification
3. Plant Kingdom
4. Animal Kingdom
5. Morphology of Flowering Plants

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - XI 2021

6. **MATHEMATICS**

- 1) Sets
- 2) Relation and Functions
- 3) Trigonometrical Ratios Of Allied Angles
- 4) Compound Angles
- 5) Multiple and SubMultiple Angles.
- 6) Trigonometrical Equations
- 7) Complex Number
- 8) Principle Of Mathematical Induction
- 9) Limit
- 10) Derivatives

7. **COMPUTER**

- 1) Encoding
- 2) Propositional Logic
- 3) Hardware Implementation
- 4) Arithmetic Operations
- 5) Introduction of Java Language
- 6) Concept Of Data Type Object
- 7) Operators and Expression
- 8) Basic Input/Output Data Handling

8. **ECONOMICS**

- 1) Definition of Economics
- 2) Basic Concepts of Economics
- 3) Types of Economy
- 4) Measures of Central Value

9. **GEOGRAPHY**

Chapters - 3, 4, 16, 17, 21, 25, 26, 27, 28
World Map

10. **POLITICAL SCIENCE**

Section - A

Chapters :

1. Fundamental Concepts
2. Origin Of The State
3. Sovereignty

Section B

End Of Cold War

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - XI 2021

11. **SOCIOLOGY**

Ch 1 – Origin and Development of Sociology

Ch 2 – Research Methodology

Ch 3 – Basic Concepts

12. **ART**

1) Still Life – Art Paper – I

2) Original Imaginative Composition in Colour - Art Paper IV

3) Craft A – Art Paper V

FINAL EXAMINATION

1. **ENGLISH LANGAUGE**

As discussed in the class.

2. **ENGLISH LITERATURE**

Short Stories (Echoe)

1) Salvatore

2) The Chinese Statue

3) Quality

Poems (Reverie)

1) John Brown

2) Dolphins

3) The Gift of India

The Tempest

1) Act II : Sc. 1 from line no. 180 onwards

2) Act II Sc II

3) Act III

[Half Yearly Syllabus included]

3. **PHYSICS**

6) Motion in fluids

7) Circular motion

8) Gravitation

9) Properties of matter

10) Oscillation

11) Waves

(Half Yearly Syllabus Is also Included)

4. **CHEMISTRY**

5) States of Matter : Gases and Liquids

6) Chemical Thermodynamics

7) Equilibrium

8) Redox Reactions

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - XI 2021

- 9) Hydrogen
 - 11) p – block elements
 - 13) Hydrocarbons
 - 14) Environmental Chemistry
- (Half Yearly Syllabus Is also Included)

5. **BIOLOGY**

Chapters :

- 6) Anatomy Of Flowering Plants
 - 10) Cell Cycle and Cell Division
 - 11) Transport in Plants
 - 12) Mineral Nutrition In Plants
 - 13) Photosynthesis in Higher Plants
 - 14) Respiration in Plants
 - 16) Digestion & Absorption
 - 17) Breathing & Exchange of Gases
 - 18) Body Fluids & Circulation
 - 19) Excretory Products & their elimination
 - 21) Neural Control & Co-ordination
- (Half Yearly Syllabus Is also Included)

6. **MATHEMATICS**

- 1) Straight Lines
- 2) Circles
- 3) Properties of Triangles
- 4) Parabola, Ellipse, Hyperbola
- 5) Introduction to 3D Geometry
- 6) Quadratic Equation
- 7) Permutation and combinations
- 8) Binomial Theorem
- 9) Sequence and Series
- 10) Statistics
- 11) Probability

7. **COMPUTER**

- 1) Methods and Constructors
- 2) Character Handling and String Manipulation
- 3) Arrays
- 4) Recursion
- 5) Implementation of algorithm to solve problems
- 6) Packages
- 7) Trends in computing and ethical issues.

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - XI 2021

8. **ECONOMICS**

- 1) Basic Problem of an Economy
- 2) Index Numbers
- 3) Correlation
- 4) Structural changes in the Indian Economy after Liberalisation
- 5) Human Capital Formation
- 6) Planning and Economic Development in India
- 7) Parameters of Development
- 8) Economic Growth and Development
- 9) Some Mathematical Tools of Economics

9. **GEOGRAPHY**

Chapters – 5, 6, 7, 9, 11, 18, 19, 20, 22, 31, 32, 33

World Map

Practical Viva Exam will be conducted

10. **POLITICAL SCIENCE**

Section – A

- 6) Law
- 7) Liberty
- 8) Equality
- 9) Justice

Section – B

- 6) Uni – Polar World
- 7) Non-Aligned Movement

Unit Test II – Fundamental Concepts

11. **SOCIOLOGY**

Ch. 4 – Social Structure

Ch. 5 – Social Problems

Whole Syllabus for Final Examination

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

=====