

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - X 2021

HALF YEARLY EXAMINATION

1. ENGLISH LANGUAGE

As discussed in the class.

Unit Test I

1) **Prepositions** 2) **Transformation of Sentences**

[Class IX Syllabus included]

2. ENGLISH LITERATURE

Short Stories

- 1) The Blue Bead
- 2) All Summer in a Day

Poems

- 1) Nine Gold Medals
- 2) Abon Ben Adhem
- 3) I know why the caged bird sings

Merchant of Venice

- 1) Act III : Sc. 2, 3, 4, 5

Unit Test I

1) **All Summer in a Day** (2) **Nine Gold Medals**

3. PHYSICS

- 1) Force
- 2) Work Energy and Power
- 3) Machine
- 4) Refraction of Light at Plane Surface
- 5) Refraction through lens

Unit Test I – Work, Energy and Power

4. CHEMISTRY

Ch. 1) Periodic Table, Periodic Properties and Variation of Properties.

Ch. 2) Chemical Bonding

Ch. 3) Acid, Bases and Salts

Ch. 4) Analytical Chemistry

Ch. 6) Electrolysis

Ch. 8) Study of Compounds A – Hydrogen Chloride

Study of Compounds B – Ammonia

Study of Compounds C – Nitric Acid

Practical Classes (in Lab)

Unit Test I

Ch. 1) Periodic Table

Ch. 2) Chemical Bonding

5. BIOLOGY

Chapters

- 2) Structure of Chromosome, Cell Cycle and Cell division
- 3) Genetics – Some basic fundamentals
- 4) Absorption by roots
- 5) Transpiration
- 6) Photosynthesis
- 7) Chemical Coordination in plants
- 16) Pollution

Unit Test I

Chapter 2 – Structure of Chromosome, Cell Cycle and Cell division

6. MATHEMATICS

- 1) GST
- 2) Banking (Recurring Deposit Accounts)
- 3) Shares and Dividends
- 4) Linear Inequations
- 5) Quadratic Equations
- 6) Quadratic Equations (Solving Simple Problems)
- 7) Reflection
- 8) Section and Mid-Point Formula
- 9) Equation of a line
- 10) Similarity
- 11) Probability
- 12) Trigonometrical Identities
- 13) Arithmetic Progression
- 14) Geometric Progression

Unit Test I

Co-ordinate Geometry

- 1) **Reflection**
- 2) **Section and Mid-Point Formula**
- 3) **Equation of a Line**

7. COMPUTER

- 1) Java Programming (Revision of Class IX)
- 2) Class as the Basis of All Computation
- 3) Constructors
- 4) Library Class
- 5) String Handling

Unit Test I

Class as the Basis of All computation

8. HISTORY & CIVICS

Civics

- 1) The Union Parliament
- 2) The Union Judiciary : The Supreme Court
- 3) The State Judiciary : The High Courts

History

- 1) The First War of Independence (1857)
- 2) Factors Leading to the Growth of Nationalism and Foundation of the Indian National Congress
- 3) Objectives and Methods of Struggle of the Early Nationalists
- 4) Second Phase of the Indian National Movement: Partition of Bengal and other Developments.
- 5) The First World War
- 6) Rise of /Dictatorship : Fascism in Italy and Nazism in Germany
- 7) The Second World War

Unit Test I

1) **The Union Parliament**

9. **GEOGRAPHY**

3, 4, 5, 6, 7, 8 Transport

Map of India

Topo Sheets 45^{D/7} & 45^{D/10}

Unit Test I – Topo Sheets

10. **HINDI**

Sahitya Sagar

Poem

- 1) Bhikshuk
- 2) Vinaya Ke Pad
- 3) Giridhar Ki Kundalliya
- 4) Woh Janmabhoomi Meri

Naya Rasta

Lessons – 14 to 19

Grammar

Essay, Letters, Comprehension and G. Grammar

Unit Test I – Bhikshuk

11. **BENGALI**

Section – A

- 1) Rachana (Unseen)
- 2) Chithi (Unseen)
- 3) Bodh Pareekshan (Unseen)
- 4) Vyakaran :
 - i) Vaakya – Nirdeshak, Prashnabodhak etc
 - ii) Tatsama O Tadbhaba Shabda
(Pg. No. 383 – 384)
 - iii) Bhinnarthabodhak Samochchaarita Shabda
(Pg. No. 572 – 577 Achyut – Marma)
 - iv) Pratyay (Pg. No. 402 - 438)
 - v) Sathik Vaakya Gathan O Shuddhikaran
(Pg. No. 587 – 602)
 - vi) Chhando Miliye Shunyaasthan Puran
(Pg. No. 506 – 511)

Section – B

- 5) Sankalita
 - i) Chhoto Galpa
 - (a) Asahayogee – Manik Bandyapadhyay
 - (b) Debatar Janma – Shibram Chakraborty
 - (c) Neel Manusher Kahini – Sunil Gangopadhyay
 - ii) Kabita
 - (a) Babu Balen – Sankha Ghosh
 - (b) Amal Kanti – Neerendranath Chakraborty
 - (c) Khokho – Amitabha Das Gupta

Including Class IX Syllabus

Unit Test I

Asahayogee – Manik Bandyapadhyay

12. **ART**

- 1) Still Life
- 2) Original Imaginative Composition in Colour
- 3) Serol Paing

13. **SUPW**

1) Glass Painting C/W

2) Freedom Fighters

Drawing or Painting

ICSE Final Project

Student will submit their Glass Painting or Rangoli Painting along with Project Copy being covered with Yellow Cover.

FINAL EXAMINATION

1. **ENGLISH LANGUAGE**

As discussed in the class.

Unit Test II

1) Prepositions

2) Transformation of Sentences

2. **ENGLISH LITERATURE**

Short Stories

1) My Greatest Olympic Prize

2) The Little Match Girl

Poems

1) The Patriot

Merchant of Venice

1) Act IV

2) Act V

Unit Test II

The Merchant of Venice

Act : IV Sc.i – Full Line (Pg: 77 to 87)

[Half Yearly Syllabus and Class IX Syllabus included]

3. **PHYSICS**

1) Force

2) Work Energy and Power

3) Machine

4) Refraction of Light in Plane Surface

5) Refraction through lens

6) Spectrum

7) Sound

8) Current Electricity

9) House hold Current

10) Electromagnetism

11) Calorimetry

12) Radioactivity

Unit Test II – Current Electricity

4. **CHEMISTRY**

Ch. 5) Mole Concept and Stechiometry

Ch. 7) Metallurgy

Ch. 11) Study of Compounds D – Sulphuric Acid

Ch. 12) Organic Chemistry

Practical Classes

Unit Test II

Ch. 12) Organic Chemistry

The entire syllabus is included in the Final Exam

5. **BIOLOGY**

Chapters

- 8) The Circulatory System
- 9) The Excretory System
- 10) The Nervous System
- 11) Sense Organs
- 12) The Endocrine System
- 13) The Reproductive System
- 14) Human Evolution
- 15) Population

Unit Test II

Chapter 8 – The Circulatory System

N.B. All Chapters of Half Yearly and Annual Included

6. **MATHEMATICS**

- 15) Ratio and Proportion
- 16) Remainder and Factor Theorem
- 17) Matrices
- 18) Loci
- 19) Circles
- 20) Tangents and Intersecting Chords
- 21) Construction (Circles)
- 22) Cylinder, Cone and Sphere
- 23) Heights and Distances
- 24) Graphical Representation
- 25) Measures of Central Tendency (Half Yearly Syllabus)

Unit Test II

- 1) **Ratio and Proportion**
- 2) **Heights and Distances**

7. **COMPUTER**

- 1) User Defined Methods
- 2) Encapsulation and Inheritance
- 3) Arrays

Half Yearly Syllabus also included

Unit Test II – User Defined Methods

8. **HISTORY & CIVICS**

Civics

- 1) The Union Executive : The President and the Vice President
- 2) The Union Executive : The Prime Minister, the Union Cabinet and the Council of Ministers
- 3) The Subordinate Courts

History

- 1) Factors Leading to the Formation of Muslim League
- 2) National Movement during the First World War
- 3) National Movement 1919 – 1934 (Non – Cooperation Movement, Civil Disobedience Movement)
- 4) The Cripps Mission and the Quit India Movement

- 5) The Subhas Chandra Bose, Forward Bloc and the Indian National Army
- 6) Independence and the Partition of India
- 7) United Nations Organisation : Origin, Objectives and Principal Organs
- 8) Major Agencies of the United Nations
- 9) The Non-Aligned Movement

Unit Test II

Non Cooperation Movement, Civil Disobedience Movement, Quit India Movement

9. **GEOGRAPHY**

- 1) Agriculture I, II & III
- 2) Manufacturing Industries – I & II
- 3) Waste Management

All the Chapters of Half Yearly Examination Included
Map of India

Topo Sheets 45^{D/7} & 45^{D/10}

Unit Test II – Transport

10. **HINDI**

Sahitya Sagar

Poem

- 1) Chalna Hamara Kam Hai
- 2) Matri Mandir Ki Ore

Naya Rasta (Novel)

Lessons – 20 to 26

Grammar

Essays, Letters, Comprehension and G. Grammar

Unit Test II – Naya Rasta – 21 and 22

11. **BENGALI**

Section – A

- 1) Rachana (Unseen)
- 2) Chithi (Unseen)
- 3) Bodh Pareekshan (Unseen)
- 4) Vyakaran :
 - i) Eki Shabder Bhinnarthe Prayog (Pg. No. 537 – 546)
 - ii) Vaachya (Pg. No. 521 – 525)
 - iii) Upasarga O Anusarga (Pg. No. 448 – 5455)
 - iv) Ek Kathay Prakash (Pg. No. 462 - 480)
 - v) Abangali Shabder Banglay Rupantar

Section – B

- 5) Sankalita
 - i) Chhoto Galpa
 - (a) Gandhata Khub Sandehajanak – Sheersendu Mukhopadhyay
 - (b) Lokti – Humayun Ahmed
 - (c) Naam – Narendranath Mitra
 - ii) Kabita
 - (a) Rabindranather Prati – Budedhadeb Basu
 - (b) Phul Phutuk Naa phutuk – Subhash Mukhopadhyay
 - (c) Abaar Ashibo Phirey – Jibananda Das

Including full syllabus of Class IX and Half Yearly Syllabus of Class X.

Unit Test II

Gandhata Khub Sandehajanak – Sheershendu Mukhopadhyay

12. ART

- 1) Still Life
- 2) Original Imaginative Composition in Colour
- 3) Big Pen Stand

13. SUPW

- 1) Rangoli make with fabric colour
- 2) Any Painting

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

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