

# HOLY CROSS SCHOOL, AGARTALA

## SYLLABUS FOR CLASS X 2023

### HALF YEARLY EXAMINATION

#### 1. ENGLISH LANGUAGE

As discussed in the class.

##### Unit Test I

1) *Informal Letter* 2) *Transformation of Sentences*

[Class IX Syllabus included]

#### 2. ENGLISH LITERATURE

Treasure Trove : Short Stories

- 1) The Blue Bead
- 2) An Angel in Disguise

Treasure Trove : Poems

- 1) The Patriot
- 2) Abou Ben Adhem
- 3) Daffodils

Merchant of Venice : William Shakespeare

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

##### Unit Test I

The Merchant Of Venice Act 3 Sc 1; Sc 2 [till *Until confirmed, signed and ratified by you*]

#### 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 Executive (President, Prime Minister and Council of Ministers)
- 2) The Union Judiciary : The Supreme Court
- 3) The State Judiciary : The High Courts

History

- 1) The First War of Independence (1857)
- 2) Growth of Nationalism
- 3) Programme and Achievements of the Early Nationalists
- 4) Partition of Bengal.
- 5) Rise of Assertive Nationalists
- 6) The Muslim League and the National Movement
- 7) Mahatma Gandhi and the National Movement.
- 8) Quit India Movement.

##### Unit Test I

1) The Union Executive

#### 9. GEOGRAPHY

1, 2, 3, 4, 5, 6, 7

Map of India

Topo Sheets 45<sup>D/7</sup> & 45<sup>D/10</sup>

Unit Test I – Topo Sheets and Map Of India

## 10. HINDI

Sahitya Sagar

Poem

- 1) Wo Janam Bhumi Meri
- 2) Vinaya Ke Pad

Naya Rasta

Lessons – 13 to 19

Grammar

Essay, Letters, Comprehension and G. Grammar

Unit Test I – Wo Janam Bhumi Meri

## 11. BENGALI

Section – A

- 1) Rachana (Unseen)
- 2) Chithi (Unseen)
- 3) Bodh Pareekshan (Unseen)
- 4) Vyakaran :
  - i) Vaakya – Nirdeshak, Prashnabodhak etc (pg 506 – 517)
  - ii) Tatsama O Tadbhaba Shabda (Pg. No. 383 – 384) Bideshi Shabda pg – 386 - 391
  - 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) Ukti Paribartan (Pg 498)

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

Neel Manusher Kahini – Sunil Gangopadhyay

## 12. ART

- 1) Still Life
- 2) Original Imaginative Composition in Colour
- 3) Design the upper portion of umbrella with acrylic colour. (C/W)

## 13. SUPW

- 1) Making flowers vase (by using old waste paper.)

## FINAL EXAMINATION

### 1. ENGLISH LANGUAGE

As discussed in the class.

Unit Test II

- 1) Formal Letter
- 2) Synthesis of Sentences

### 2. ENGLISH LITERATURE

Short Stories

- 1) My Greatest Olympic Prize
- 2) The Little Match Girl
- 3) All Summer in a Day

Poems

- 1) I Know Why The Caged Bird Sings
- 2) Nine Gold Medals

Merchant of Venice

- 1) Act IV
- 2) Act V

Unit Test II

The Merchant of Venice

Act : IV, Sc 1

[Half Yearly 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) Radio ancillary

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 Parliament

### History

- 1) The First World War.
- 2) Rise of Dictatorships.
- 3) The Second World War.
- 4) Forward Bloc and the Indian National Army.
- 5) Independence and the Partition of India
- 6) United Nations Organisation
- 7) Major Agencies of the United Nations
- 8) The Non-Aligned Movement

### **Unit Test II**

### **First World War and Second World War**

## **9. GEOGRAPHY**

Chapters 8,9,10,11,12,13,14,15,16,17,18,19

All the Chapters of Half Yearly Examination Included  
Map of India

Topo Sheets 45<sup>D/7</sup> & 45<sup>D/10</sup>

### **Unit Test II – Waste Management**

## **10. HINDI**

### Sahitya Sagar

### Poem

- 1) Bhikshuk
- 2) Chalna Hamara Kam Hai

3) Matri Mandir Ki Ore

### Naya Rasta (Novel)

Lessons – 19 to 26

### Grammar

Essays, Letters, Comprehension and G. Grammar

### **Unit Test II – Chalna Hamara Kam Hai**

## **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 – Sheersshendu Mukhopadhyay
    - (b) Lokti – Humayun Ahmed
  - ii) Kabita
    - (a) Rabindranather Prati – Buddhadeb Basu
    - (b) Phul Phutuk Naa phutuk – Subhash Mukhopadhyay

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

### **Unit Test II**

### **Gandhata Khub Sandehajanak – Sheersshendu Mukhopadhyay**

## **12. ART**

- 1) Still Life
- 2) Original Imaginative Composition in Colour
- 3) Relief work

### **Final Project**

1. Three still life
2. Two freedom fighters portrait
3. Two collage painting
4. Oil painting in canvas.

## **13. SUPW**

- 1) Collage painting
- 2) Making flowers vase by using old waste paper. ICSE final project student will submit their collage painting or flower vase along with project copy being covered with yellow cover.

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

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