

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS FOR CLASS - IX 2025

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

1) Bonku Babu

2) Oliver asks for more

Poems

1) A work of Artifice

2) Skimbleshanks

3) I Remember

Julius Caesar

1) Act I

Unit Test I

1) **Julius Caesar Act I : Sc. i, ii (till line no. 178 Flourish of trumpets)**

3. PHYSICS

1) Measurement and Experiment

2) Motion in one dimension

3) Laws of Motion

4) Pressure in Fluids & Atmospheric Pressure

5) Magnetism

Unit Test I – Motion in one dimension

4. CHEMISTRY

Ch. 1) Language of Chemistry

Ch. 2) Chemical changes and Reactions

Ch.3) Water

Ch. 4) Atomic Structure and Chemical Bonding

Practical classes (in Lab)

Unit Test I – Ch. 4 – Atomic Structure and Chemical Bonding

5. BIOLOGY

Chapters

2) Cell the Unit of life

3) Tissues : Plant & Animal Tissues

4) The Flower

5) Pollination & Fertilization

6) Seeds – Structure & Germination

9) Economic importance of Bacteria & Fungi

15) Health & Hygiene

19) Waste Generation & Management

Unit Test I

Chapter 2 – Cell the Unit of Life

6. MATHEMATICS

Ch-1: Rational and Irrational Numbers

Ch-2: Compound Interest

Ch-2: Expansions

Ch-4: Factorization

Ch-10: Triangles

Ch-11: Mid-point theorem

Ch-7: Quadratic Equations

Unit Test I

Ch-16: Mensuration

7. COMPUTER

1) Introduction to Object Oriented Programming Concept

2) Elementary Concept of Objects and Classes

3) Value and Data Types

4) Operators in Java

5) Input in Java

6) Conditional Constructs in Java

7) **Unit Test I – Value and Data Types**

8. ROBOTICS & AI

Robotics

1. Ch.1 Introduction to Robotics (UT-I)

2. Ch.1. Introduction to Artificial Intelligence

3. Ch.3. Introduction to Data and Programming with python

Unit Test I

• **Ch.1 Introduction to Robotics**

9. HISTORY & CIVICS

Civics (Half-Yearly)

Ch.1. Our Constitution

Ch.2. Basic Features of the Constitution

Ch.3. Fundamental Rights and Fundamental Duties

History (Half-Yearly)

Ch.1. The Harappan Civilisation

Ch.2. The Vedic Period

Ch.3. Jainism and Buddhism

Ch.4. The Mauryan Empire.

Ch.5. The Sangam Age

Ch.6. The Age of the Guptas

Ch.7. Medieval India : The Cholas

Unit Test-I

Ch.4. The Mauryan Empire.

10. GEOGRAPHY

Chapters – 1, 2, 3, 4, 5, 15, 16, 17 (Pollution), 18

Map - World Map

Unit Test I – 15, 16, 17 (Pollution)

11. **HINDI**

Sahitya Sagar

Ch-1: Sakhi Kabir Das

Ch-2: Girdhar ki kundaliyan

Ch-3: Swarg bana sakte Hain

Naya Rasta – Novel

Lessons – 1 to 6

Grammar

Essay, Letter, Comprehension, G. Grammar

Unit Test I – Girdhar ki kundaliyan

12. **BENGALI**

Section – A

1) Rachana (Unseen)

2) Chithi (Unseen)

3) Bodh Pareekshan (Unseen)

4) Vyakaran :

i) Padparivartan (Pg. No. 439 – 441
Angsha – Shrabhan)

ii) Samartha Bodhak / Prati Shabda
(Pg. No. 535 – 536)

iii) Viparitarthak Shabda
(Pg. No. 482 – 484 Akhyati - Graahya)

iv) Bagdhara (Pg. No. 546 - 554 Akaal
Kushmando – Thato Mato Khaayoya)

v) Saadhu O Chalito (Pg. No. 23 - 44)

vi) Vaakya : Saral, Jotil O Yougik
(Pg No.: 459 - 460) (Pg. No. 506 – 511)

Section – B

5) Sankalita

i) Chhoto Galpa

(a) Ginni – Rabindranath Thakur

(b) Laalu – Sharat Chandra Chattopadhyay

(c) Baama – Bibhutibhusan
Bandyopadhyay

ii) Kabita

(a) Bangabhumir Prati – Madhusudan
Datta

(b) Sabhyatar Prati – Rabindranath Thakur

(c) Kuli O Majur – Najrul Islam

Unit Test I – Lalu – Sarat Chandra Chattopadhyay

13. **M. Sc**

Half-Yearly

Garden of Life Book 9

Ch. 1A, 1B, 2A, 2B, 3A, 3B

Assignments will be given based as these Lessons

14. **Physical Education**

Half-Yearly

Section-A

1. The human Anatomy and physiology.

2) Muscular System.

SECTION-B

Any two of the following games are to be studied cricket, Football, Hockey, Basket ball Volleyball, Badminton"

1st Unit test: muscular System

15. **ART**

1) Still Life – Art Paper-I

2) Original Imaginative

3) Rough Painting in the Cardboard c/w

16. **SUPW**

Relief work

FINAL EXAMINATION

1. **ENGLISH LANGUAGE**

As discussed in the class.

Unit Test II

1) **Synthesis of Sentences**

2) **Informal Letter**

2. **ENGLISH LITERATURE**

Short Stories

1) The Model Millionaire

2) The Home-coming

3) The Boy who Broke the Bank

Poems

1) A Doctor's Journal Entry

2) The Night Mail

Julius Caesar

1) Act II

Unit Test II

Act II : Sc. i, (till line no. 150 buried in his gravity) (Half Yearly Syllabus included)

3. **PHYSICS**

1) Heat & Energy

2) Reflection of Light

3) Propagation of Sound Waves

4) Current Electricity

5) Upthrust in Fluids Archimedes Principle & Floatation

(Half Yearly Syllabus is included)

Unit Test II – Upthrust in Fluids Archimedes Principle & Floatation

4. **CHEMISTRY**

Ch. 5) The Periodic Table

Ch. 6) Study of the First Element - Hydrogen

Ch. 7) Study of Gas Laws

Ch. 8) Atmospheric Pollution

Ch. 9) Practical Work

Unit Test II

Ch. 5 – The Periodic Table

Ch. 7 – Study of Gas Laws

N.B: The whole Syllabus will be included in the Final Exam

5. **BIOLOGY**

Chapters

- 7) Respiration in Plants
- 8) Five Kingdom Classification
- 10) Nutrition
- 11) Digestive System
- 12) Skeleton – Movement & Locomotion
- 13) Skin
- 14) The Respiratory System
- 16) Diseases – Causes & Control
- 17) Aids to health
- 18) Health Organisation

Unit Test II

Chapter 10, 11 – Nutrition and Digestion

N.B: Half Yearly Syllabus will be included in the Final Examination.

6. **MATHEMATICS**

- Ch-5: Simultaneous Linear Equations
Ch-6: Problems on Simultaneous Linear Equations
Ch-8: Indices
Ch-9: Logarithms
Ch-13: Rectilinear figures
Ch-14: Theorems on Area
Ch-15: Circle
Ch-17: Trigonometrical Ratios
Ch-18: Trigonometrical Ratios of Standard Angles
(Also the Half Yearly Syllabus is included)

Unit Test II

Coordinate geometry

Statistics

7. **COMPUTER**

- 1) Mathematical Library Methods
- 2) Iterative Constructs in Java
- 3) Nested For Loops
- 4) Computing and Ethics
- 5) String Functions

Unit Test II

1) Mathematical Library Methods

2) Iterative Constructs in Java

(Half Yearly Syllabus Included)

8. **ROBOTICS & AI**

- Ch.2. Robot as a System
Ch.3. Concepts in Robotics
Ch.2. Role of Data and Information, Evolution of Computing
Ch.2. Introduction to Data and Programming with Python
Ch.4. AI Concepts and AI Project Framework.

Unit Test-II

Ch.2. Introduction to Data and Programming with Python

9. **HISTORY & CIVICS**

Civics (Final)

- Ch.4. Directive Principles of state policy.
Ch.5. Elections and the Election Commission
Ch.6. Local Self Government : Rural
Ch.7. Local Self Government : Urban

History (Final)

- Ch.8. Medieval India: The Delhi Sultanate
Ch.9. Medieval India: The Mughal Empire
Ch.10. Medieval India : Composite Culture
Ch.11. The Modern Age in Europe: The Renaissance
Ch.12. The Modern Age in Europe: The Reformation
Ch.13. The Modern Age in Europe: The Industrial Revolution

Unit Test-II

Medieval India: The Mughal Empire

10. **GEOGRAPHY**

- Chapters – 6, 7, 8, 9, 10, 11, 12, 13, 14
All the chapters of Half Yearly are included.
World Map

Unit Test II – Rock and Rock cycle

11. **HINDI**

Sahitya Sagar

Ch-4: Wo Janmabhoomi meri

Ch-5: Megha Aye

Naya Rasta

Lessons – 7 to 13

Grammar

Essay, Letter, Comprehension, Shabd Bhandar,
G. Grammar

Unit Test II – Megha Aye

12. **BENGALI**

Section – A

- 1) Rachana (Unseen)
- 2) Chithi (Unseen)
- 3) Bodh Pareekshan (Unseen)
- 4) Vyakaran :
 - (i) Padparivartan (Pg. No. 441 – 444 Shuddhi Hyanglapana)
 - ii) Biparitarthak Shabda (Pg. No. 484 – 486 Tushti Hras)
 - iii) Bagdhara (Pg. No. 554 – 561 Dhaao Mara – Haate Maarenaa Bhaate Mare)
 - iv) Dhwanyatmak Shabda / Shabda dwaita (Pg. No. 319 - 322, 392 – 396)
 - v) Yoti O Chhed chinha (Pg. No. 487 - 496)

Section – B

- 5) Sankalita

- i) Chhoto Galpo
 - (a) Canvasar – Banophul
 - (b) Naam – Narendranath Mitra
- ii) Kabita
 - (a) Abar Aasibo Phire – Jeebanananda Das
 - (b) Siri – Sukanta Bhattacharja

Including Class IX Half Yearly Syllabus

Unit Test II – Canvasar – Banophul

13. M. Sc

Final

Garden of Life Book 9

Ch. 4A, 4B, 6A, 6B, 8

Assignments will be given based as these Lessons

14. Physical Education

Final Examination.

Section-A

i) Respiratory System

ii) Circulatory System

iii) Games and Sports

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

(Including all the Syllabus of Half yearly Exam Section A & Sec. B).

Unit Test 2 - Circulatory System.

14. ART

Final Syllabus

1) Still Life – Art Paper – I

2) Art Paper – III Original Imaginative Composition in Colour

3) Big chalk stand C/W

15. SUPW

SUPW

Relief Work

Freedom Fighters Drawing or Painting.

(Using an old coloured magazine paper / collage painting)

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

=====