

HOLY CROSS SCHOOL, MONDALAI.

SYLLABUS (2024 – 2025)

CLASS XI (SCIENCE)

English I

Unit Test -1

Functional Grammar

Half yearly

1. Composition
2. Directed Writing
3. Proposal Writing
4. Grammar
5. Comprehension

Unit Test - II

1. Proposal Writing
2. Functional Grammar

Annual Examination

1. Composition
2. Directed Writing
3. Proposal Writing
4. Grammar
5. Comprehension

English literature

Books :- Macbeth; Prism and Rhapsody : ISC Collection of Short Stories and Poems

Unit Test – 1

1. Macbeth Act 1 Scene 1 (Drama)
2. A Living God (Prose)
3. Why I Like the Hospital (Poetry)

Half yearly Examination

Drama: Macbeth Act 1

Prose: 1. A Living God

2. Advice to Youth

3. The Great Automatic

Grammatizator

Poetry : 1. Upagupta

2. Why I Like the Hospital

3. Sonnet 116

Unit Test – II

1. Macbeth Act 2 Scene 1 (Drama)
2. Strange Meeting (Poem)
3. Thank you Ma'am (Prose)

Annual Examination

Drama: Macbeth – Act 1 & 2

Prose: 1. A Living God

2. Advice to Youth

3. The Paper Managerie

4. The Great Automatic Grammatizator.
5. Thank You Ma'am

- Poetry:**
1. Upagupta
 2. Why I Like the Hospital
 3. Sonnet 116
 4. Death of a Naturalist
 5. Strange Meeting

BENGALI 2ND LANGUAGE

Unit Test 1

গদ্য: ঠাকুরদা।	5
পদ্য: ওরাকাজকরে।	5
কোনি: প্রথমঅধ্যায়।	5
ব্যাকরণ: ১) বাগধারা।	2
২) অশুদ্ধিসংশোধন।	3

Total :. 20

Half-yearly

Literature: Total marks 40

(4 questions will be selected from 3 books. Each part contains 3 questions, that will be sub divided as 1+2+2+5)

গদ্য: ঠাকুরদা, জোড়াসাঁকোর ধারে, তাসের ঘর, অনাচার।

পদ্য: ওরাকাজকরে, পূব-পশ্চিম, বনলতাসেন, বর্ণপরিচয়।

কোনি: অধ্যায়২-৫

Language: Total marks 40

ব্যাকরণ: 10

(বাক্য , বাচ্য ও উক্তিপরিবর্তন, সমার্থকশব্দ,
প্রায়সমোচ্চারিতভিন্নার্থকশব্দ, এককথায়প্রকাশ, ছেদ ও যতি, বাক্য ও
বানানসংশোধন।)

রচনা : 15

বোধপরীক্ষণ: 15

Total : 40

Grand Total : (Literature)40+(Language) 40+(project)20= 80

Unit Test 2

গদ্য: রেকর্ড। 5

পদ্য: সালেমনেরমা। 5

কোনি: ষষ্ঠঅধ্যায়। 5

ব্যাকরণ: ১)বাক্য ও বাচ্যপরিবর্তন। 2

২) প্রায়সমোচ্চারিতভিন্নার্থকশব্দ। 3

Total : 20

Annual

Literature: Total marks 40

(4 questions will be selected from 3 books. Each part contains 3 questions,
that will be sub divided as 1+2+2+5)

গদ্য : জোড়াসাঁকোর ধারে, তাসের ঘর, অনাচার, রেকর্ড, বীর্যশুল্ক, আদাব।

পদ্য: পূব-পশ্চিম, বর্ণপরিচয়, সালেমনেরমা, বাবরেরপ্রার্থনা,
যদিনির্বাসনদাও।

কোনি: অধ্যায় ১-৮

Language: Total marks 40

ব্যাকরণ (same as half-yearly) : 10

রচনা : 15

বোধপরীক্ষণ: 15

Total 40

Grand Total :(Literature)40+ (Language)40+(Project)20=80

Class XI-Maths:2023-'24

Book –M.L.Aggarwal

UNIT TEST: 1

1. Ch 1→ Sets
2. Ch 2→Relations & Functions
3. Ch 3→Trigonometry

HALF-YEARLY

Section A

1. Ch 1→ Sets

2. Ch 2→Relations & Functions
3. Ch 3→Trigonometry
4. Ch 4→Quadratic Equation
5. Ch 5→Complex Numbers
6. Ch 11→Straight lines
7. Ch 12→Circles
8. Ch 14→Statistics

Section B

1. Ch 16→Conic sections

Section C

1. Ch 19→ Statistics

UNIT TEST:2

1. Ch 9 → Binomial Theorem
2. Ch 13→ Limits and Derivatives

ANNUAL

Section A

6. Ch 6→Mathematical Induction
7. Ch 7→Linear & Quadratic inequalities
8. Ch 8 Permutations and Combinations
9. Ch 9→Binomial Theorem
10. Ch 10→A.P & G.P
6. Ch 13→Limits & Derivatives
7. Ch 15→Probability

Section B

17. Ch 17→3D Geometry
18. Ch 18→Mathematical Reasoning

Section C

1. Ch 20→Correlation Analysis
2. Ch 21→Index No:3 & Moving Averages

CHEMISTRY

BOOK NAME : NOOTAN ISC CHEMISTRY (CLASS XI)

Unit-I

1. CHAPTER 1 : SOME BASIC CONCEPTS OF CHEMISTRY
2. CHAPTER 2 : STRUCTURE OF ATOM
3. CHAPTER 12 : ORGANIC CHEMISTRY - SOME BASIC PRINCIPLES & TECHNIQUES { UPTO - IUPAC NOMENCLATURE }

Half Yearly

1. CHAPTER 1 : SOME BASIC CONCEPTS OF CHEMISTRY
2. CHAPTER 2 : STRUCTURE OF ATOM
3. CHAPTER 3 : CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES
4. CHAPTER 8 : REDOX REACTIONS
5. CHAPTER 12 : ORGANIC CHEMISTRY-SOME BASIC PRINCIPLES AND TECHNIQUES [WHOLE CHAPTER]

Unit-II

1. CHAPTER 8 : REDOX REACTIONS
2. CHAPTER 4 : CHEMICAL BONDING AND MOLECULAR STRUCTURE
3. CHAPTER 6 : CHEMICAL THERMODYNAMICS [UPTO – HEAT CAPACITY AND SPECIFIC HEAT]

Annual

1. CHAPTER 7 : EQUILIBRIUM
2. CHAPTER 6: CHEMICAL THERMODYNAMICS [WHOLE CHAPTER]
3. CHAPTER 13 : HYDROCARBONS

[UT –I, HALF-YEARLY, UT -II syllabus are also included in Annual Examination]

PHYSICS

Book-Nootan ISC Physics Class XI by Kumar.Mittal (Nageen Prakashan)

Unit Test 1:

1. Chapter- 1 Physical world
2. Chapter- 2 Units and Measurement
3. Chapter- 3 Dimensional Analysis

Half Yearly:

1. Chapter- 1 Physical world
2. Chapter- 2 Units and Measurement
3. Chapter- 3 Dimensional Analysis
4. Chapter- 4 Motion in a Straight Line
5. Chapter- 5 Motion in a Plane
6. Chapter- 6 Newton's Laws of Motion
7. Chapter- 7 Friction
8. Chapter- 8 Uniform Circular Motion
9. Chapter- 12 Gravitation: Planets and Satellites
10. Chapter- 13 Elasticity
11. Chapter- 14 Fluid Pressure
12. Chapter- 15 Flow of Liquids
13. Chapter- 16 Surface Tension
14. Chapter- 23 Simple Harmonic Motion
15. Chapter- 24 Free, Damped and Forced Oscillations

Unit Test 2:

1. Chapter- 9 Work, Energy and Power
2. Chapter- 10 Centre of Mass
3. Chapter- 11 Rotational Motion of a Rigid Body: Moment of Inertia

Annual:

1. Chapter- 1 Physical world
2. Chapter- 2 Units and Measurement
3. Chapter- 4 Dimensional Analysis

4. Chapter- 5 Motion in a Straight Line
 5. Chapter- 6 Motion in a Plane
 6. Chapter- 6 Newton's Laws of Motion
 7. Chapter- 7 Friction
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 12. Chapter- 12 Gravitation: Planets and Satellites
 13. Chapter- 13 Elasticity
 14. Chapter- 14 Fluid Pressure
 15. Chapter- 15 Flow of Liquids
 16. Chapter- 16 Surface Tension
 17. Chapter- 17 Thermal Properties of Matter
 18. Chapter- 18 Heat Transfer
 19. Chapter- 19 Thermodynamics
 20. Chapter- 20 Isothermal and Adiabatic Processes
 21. Chapter- 21 Heat Engine: Second Law of Thermodynamics
 22. Chapter- 22 Behaviour of Perfect Gas and Kinetic Theory of Gases
 23. Chapter- 23 Simple Harmonic Motion
 24. Chapter- 24 Free, Damped and Forced Oscillations
 25. Chapter- 25 Waves
 26. Chapter- 26 Wave Motion
 27. Chapter- 27 Superposition of Waves 1: Interference and Beats
 28. Chapter- 28 Superposition of Waves 2: Stationary (Standing) Waves:
Vibration of Air Columns
 29. Chapter- 29 Vibrations of Stretched Strings
 30. Chapter- 30 Doppler Effect
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Biology

Book:- ISC SRIJAN BIOLOGY – XI (VEER BALA RASTOGI)

Unit Test 1:

1. Chapter-1:- The living world.
2. Chapter-14: Respiration in plants.

Half yearly exam:

Unit 1:

- (i) Chapter-1: The living world.
- (ii) Chapter-2: Biological classification.
 - (a) Five kingdom classification.
 - (b) Kingdom Monera.
 - (c) Kingdom Protista.
 - (d) Kingdom Fungi.
 - (e) Virus.
- (iii) Chapter-3: Plant kingdom:
 - (a) Algae.
 - (b) Bryophyta.
 - (c) Pteridophyta.
 - (d) Gymnosperm.
- (iv) Chapter-4: Animal kingdom.

(2) Unit II:

- (i) Chapter-5: Morphology of flowering plants.

(3) Unit III:

- (i) Chapter-8: Cell : the unit of life.

(4) Unit IV:

- (i) Chapter-14: Respiration in plants.
- (ii) Chapter-15: Plant Growth and Development.

(5) Unit V:

- (i) Chapter-22: - Chemical co-ordination and Integration.
- (ii) Chapter-19: Excretory products and their elimination.

Unit Test 2:

1. Chapter-17: Breathing and exchange of gases.
2. Chapter-10: - Cell cycle and cell division.
3. Chapter-13: Photosynthesis in higher plants.

Annual Exam:

Unit II:

- (i) Chapter-6: Anatomy of the flowering plants.

- (ii) Chapter-7: Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, neural and reproduction) of Frog.

Unit III: Cell – Structure and function.

- (i) Chapter-9: Biomolecules.
(ii) Chapter-10: Cell cycle and cell division.

Unit IV: (Plant physiology)

- (i) Chapter-13: Photosynthesis in higher plants.

Unit V: (Human Physiology):

- (a) Chapter-17: Breathing and exchange of gases.
(b) Chapter-18: Body fluids and circulation.
(c) Chapter-20: Locomotion and Movement.
(d) Chapter-21: Neural control and coordination.

- **Note: All the Chapters mentioned in the Half yearly exam are also included in Annual Exam (i.e. the entire ISC Biology Syllabus of class XI).**

COMPUTER SCIENCE

Book: Computer Science with Java Class XI By Sumita Arora

Publication: Dhanpat Rai & Co

UNIT TEST I

1. Data Representation
 - i) Numbers
 - ii) Encoding
2. Java Programming using iterative statements.

HALF YEARLY

SECTION - A

1. Data Representation

SECTION – B

2. General OOP Concepts
3. Introducing Java
4. Java Fundamentals
5. Flow of Control
6. Classes in java
7. Functions(Methods and Constructors)
8. Program Error types and basic exception handling

SECTION –C

9. Functions (Recursive Functions)
10. Trends in computing and Ethical Issues
11. Implementation of Algorithm to solve problem

UNIT TEST II

1. Propositional Logic and Hardware
2. Using Library Classes and packages

ANNUAL

SECTION – A

1. Data Representation
2. Propositional Logic and hardware

SECTION – B

3. General OOP Concepts
4. Introducing Java
5. Java Fundamentals
6. Flow of Control
7. Classes in java
8. Functions(Methods and Constructors)
9. Program Error types and basic exception handling
10. Using Library Classes (String handling)
11. Arrays

SECTION – C

12. Functions (Recursive Functions)

13. Trends in computing and Ethical Issues
 14. Implementation of Algorithm to solve problem
 15. Operations On Files (Binary and Text Files)
 16. Packages
-

Moral science.

Book:-Successful Living XI.

Half yearly Examination.

1. Chapter 1:God's best creation.
2. Chapter 2:Truthfulness.
3. Chapter 3:The solution to life lies in hard work.
4. Chapter 4:The modern Architect of India.
5. Chapter 5:Non-violence(Ahimsa)
6. Chapter 6:An exciting and wonderful world-The world of the Adolescent.

Annual Examination.

1. Chapter 7:Health problems and Disorders of Adolescent.
2. Chapter 8:Substance/Drug Abuse.
3. Chapter 9:Human Rights.
4. Chapter 10:Other Suggested Topics.
5. Chapter 11:Gratitude of Everything.

HOLY CROSS SCHOOL, MONDALAI

SYLLABUS (2024 – 2025)

CLASS XI (HUMANITIES)

English I

Unit Test -1

Functional Grammar

Half yearly

1. Composition
2. Directed Writing
3. Proposal Writing
4. Grammar
5. Comprehension

Unit Test - II

1. Proposal Writing
2. Functional Grammar

Annual Examination

1. Composition
2. Directed Writing
3. Proposal Writing
4. Grammar
5. Comprehension

English literature

Books :- Macbeth; Prism and Rhapsody : ISC Collection of Short Stories and Poems

Unit Test – 1

1. Macbeth Act 1 Scene 1 (Drama)
2. A Living God (Prose)

3. Why I Like the Hospital (Poetry)

Half yearly Examination

Drama: Macbeth Act 1

Prose: 1. A Living God

2. Advice to Youth

3. The Great Automatic

Grammatizator

Poetry : 1. Upagupta

2. Why I Like the Hospital

3. Sonnet 116

Unit Test – II

1. Macbeth Act 2 Scene 1 (Drama)

2. Strange Meeting (Poem)

3. Thank you Ma'am (Prose)

Annual Examination

Drama: Macbeth – Act 1 & 2

Prose: 1. A Living God

2. Advice to Youth

3. The Paper Managerie

4. The Great Automatic

Grammatizator.

5. Thank You Ma'am

Poetry: 1. Upagupta

2. Why I Like the Hospital

3. Sonnet 116

4. Death of a Naturalist

5. Strange Meeting

BENGALI 2ND LANGUAGE

Unit Test 1

গদ্য: ঠাকুরদা।	5
পদ্য: ওরাকাজকরে।	5
কোনি: প্রথমঅধ্যায়।	5
ব্যাকরণ: ১) বাগধারা।	2
২) অশুদ্ধিসংশোধন।	3

Total :. 20

Half-yearly

Literature: Total marks 40

(4 questions will be selected from 3 books. Each part contains 3 questions, that will be sub divided as 1+2+2+5)

গদ্য: ঠাকুরদা, জোড়াসাঁকোর ধারে, তাসের ঘর, অনাচার।

পদ্য: ওরাকাজকরে, পূব-পশ্চিম, বনলতাসেন, বর্ণপরিচয়।

কোনি: অধ্যায়২-৫

Language: Total marks 40

ব্যাকরণ:. 10

(বাক্য , বাচ্য ও উক্তিপরিবর্তন, সমার্থকশব্দ, প্রায়সমোচ্চারিতভিন্নার্থকশব্দ, এককথায়প্রকাশ, ছেদ ও যতি, বাক্য ও বানানসংশোধন।)

রচনা : 15

বোধপরীক্ষণ: 15

Total : 40

Grand Total : (Literature)40+(Language) 40+(project)20= 80

Unit Test 2

গদ্য: রেকর্ড। 5

পদ্য: সালেমনেরমা। 5

কোনি: ষষ্ঠঅধ্যায়। 5

ব্যাকরণ: ১)বাক্য ও বাচ্যপরিবর্তন। 2

২) প্রায়সমোচ্চারিতভিন্নার্থকশব্দ। 3

Total : 20

Annual

Literature: Total marks 40

(4 questions will be selected from 3 books. Each part contains 3 questions, that will be sub divided as 1+2+2+5)

গদ্য : জোড়াসাঁকোর ধারে, তাসের ঘর, অনাচার, রেকর্ড, বীর্যশুল্লা, আদাব।

পদ্য: পুৰ-পশ্চিম, বৰ্ণপরিচয়, সালেমনেরমা, বাবরেরপ্রার্থনা, যদিনির্বাসনদাও।

কোনি: অধ্যায় ১-৮

Language: Total marks 40

ব্যাকরণ (same as half-yearly) : 10

রচনা : 15

বোধপরীক্ষণ: 15

Total 40

Grand Total :(Literature)40+ (Language)40+(Project)20=80

History

Unit test 1

1. Chp- 1 Growth of Nationalism
2. Chp – 6 Impact of the second phase of industrialization in Europe during the late 19th and early 20th century.

Half yearly Examination

- 1.Chp -1 Growth of Nationalism
2. Chp -2 Emergence of the colonial economy.
3. Chp - 3 Social and religious movement
4. Chp -4 Protest movement

World History

1. Chp – 6 Impact of the second phase of industrialization in Europe during the late 19th and early 20th century
2. Chp - 7 World War 1..(causes, events, peace settlement, major changes in warfare and strategy.
3. Chp -8 Peace settlements after the world War and league of nations
4. Chp - 9 The Great Depression
5. Chp -10 Rise of Communism..Russia

Unit Test 2

1. Chp - 5 Gandhian Nationalism (1916-1922)
2. Chp - 11 Rise of Facism : Italy

Annual Examination

1. Chp - 12 Rise of Nazism: Germany
2. Chp - 13 Rise of Militarism: Japan
3. Chp - 5 Gandhian Nationalism (1927- 1934)
(Note : Whole unit test, halfyearly portions will be in the Annual Examination)

POLITICAL SCIENCE

Unit test 1

Section A

1. Chp 1- Introduction to political science
2. Chp 2 - Fundamentals Concepts.
3. Chp 3- The. Origin of the State (only divine origin theory)

Half -Yearly

Section A

1. Chp 4 - Political ideologies
2. Chp 5 - Sovereignty

Section B

1. Chp 1-International Relation
2. Chp 2- Cold war and it's impact on world order.
3. Chp 3 Unipolar world : US Unilateralism.

(* Including all the chapters of Unit test 1)

Unit test -2

- 1.Chp 6 - Law
2. Chp 4 - Regional Cooperation

Annual exam

Section A

1. Chp 5 -Sovereignty
2. Chp 6- Law
3. Chp 7-Liberty
4. Chp 8- Equality
5. Chp 9- Justice

Section B

1. Chp 2-Cold war and it's impact
2. Chp 3-Unipolar world: US Unilateralism
3. Chp 4 -Regional Cooperation
4. Chp 5- Non- Alignment and Non - Aligned Movement (NAM)

SOCIOLOGY

UNIT TEST I

1. Chapter 1:Origin and Development of Sociology

(i) Emergence of Sociology as a Discipline.

Discuss the definition, origin and growth of the discipline . Define the nature and scope of Sociology. Concept of Anthropology.

(ii) Sociology and other Social Sciences.

2. Chapter 2: Research Methodology

Definition, importance, comparative method, scientific methods, hypothesis, observation, formulation of research problem verification and prediction.

HALF YEARLY

- Chapter 1. Origin and development of Sociology
- Chapter 2. Research Methodology
- Chapter 3. Basic Concepts.

Unit test I portion included

UNIT TEST II

1. Chapter 4. Social Structure

ANNUAL EXAM

Full book as per ISC Sociology syllabus.

Reference: ISC Sociology Book by Manjir Ghosh (Kalyani Publishers)

Moral science.

Book:-Successful Living XI.

Half yearly Examination.

- (i) Chapter 1. God's best creation.
- (ii) Chapter 2: Truthfulness.
- (iii) Chapter 3: The solution to life lies in hard work.
- (iv) Chapter 4: The modern Architect of India.
- (v) Chapter 5: Non-violence (Ahimsa)

- (vi) Chapter 6:An exciting and wonderful world-The world of the Adolescent.

Annual Examination.

1. Chapter 7:Health problems and Disorders of Adolescent.
2. Chapter 8:Substance/Drug Abuse.
3. Chapter 9:Human Rights.
4. Chapter 10:Other Suggested Topics.
5. Chapter 11:Gratitude of Everything.

COMPUTER SCIENCE

Book: Computer Science with Java Class XI By Sumita Arora

Publication: Dhanpat Rai & Co

UNIT TEST I

1. Data Representation
 1. Numbers
 2. Encoding
2. Java Programming using iterative statements.

HALF YEARLY

SECTION - A

1. Data Representation

SECTION – B

2. General OOP Concepts
3. Introducing Java
4. Java Fundamentals
5. Flow of Control
6. Classes in java
7. Functions(Methods and Constructors)

8. Program Error types and basic exception handling

SECTION –C

9. Functions (Recursive Functions)

10. Trends in computing and Ethical Issues

11. Implementation of Algorithm to solve problem

UNIT TEST II

1. Propositional Logic and Hardware

2. Using Library Classes and packages

ANNUAL

SECTION – A

1. Data Representation

2. Propositional Logic and hardware

SECTION – B

3. General OOP Concepts

4. Introducing Java

5. Java Fundamentals

6. Flow of Control

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11. Arrays

SECTION – C

12. Functions (Recursive Functions)

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14. Implementation of Algorithm to solve problem

15. Operations On Files (Binary and Text Files)

16. Packages

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