

SYLLABUS 2024-25



AGRASAIN BOYS' SCHOOL

[Affiliated to Council for the Indian School Certificate Examinations, New Delhi]

21/A, Agrasain Street, Liluah, Howrah-711204

Phone : 2655 4544 / 4547

E-mail : absceo@rediffmail.com

IX



AGRASAIN BOYS' SCHOOL

Affiliated to the Council for the Indian School Certificate Examinations, New Delhi
21/A, Agrasain Street, Liluah, Howrah - 711 204
Website: www.agrasainboysschool.edu.in
Email: absceo@rediffmail.com / Phone: 033 2655 4544/47

SYLLABUS : 2024-25

Class : IX

Class : IX

Dear Parents,

All teachers have been advised to follow this syllabus and teaching schedule strictly.

In case your child is sick or absent for a long time, please prepare him as per schedule of chapters given in this booklet.

Teachers of all sections will complete the syllabus at least two weeks before Assessment Test to facilitate interactive revision.

All workbooks will be filled in by students and submitted to subject teachers for checking as the chapters are completed term wise.

In case of difficulty please contact respective Teacher-in-Charge (Primary/ Secondary).

Your co-operation will ensure better education to your child.

Principal



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SYLLABUS : 2024-25

Class : IX

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ENGLISH LANGUAGE : _____

❖ PERIODICAL-I EXAMINATION :

- COMPOSITION
- LETTER (FORMAL AND INFORMAL)
- COMPREHENSION
- PREPOSITION
- ACTIVE AND PASSIVE VOICE
- DIRECT AND INDIRECT SPEECH
- DEGREES OF COMPARISON

❖ ASSESSMENT-I EXAMINATION:

- COMPOSITION
- LETTER (FORMAL & INFORMAL)
- NOTICE
- EMAIL
- COMPREHENSION
- PREPOSITION
- VERBS
- DO AS DIRECTED

❖ ASSESSMENT-II EXAMINATION:

- COMPOSITION
- LETTER (FORMAL & INFORMAL)
- NOTICE
- EMAIL
- COMPREHENSION
- VERBS
- PREPOSITION
- JOINING THE SENTENCES
- DO AS DIRECTED

❖ **PERIODICAL-II EXAMINATION:**

- COMPOSITION
- LETTER (FORMAL AND INFORMAL)
- COMPREHENSION
- VERBS
- PREPOSITION
- JOINING THE SENTENCES
- DO AS DIRECTED

❖ **ASSESSMENT-III EXAMINATION:**

- COMPOSITION
- LETTER (FORMAL & INFORMAL)
- NOTICE
- EMAIL
- COMPREHENSION
- PREPOSITION
- VERBS
- JOINING THE SENTENCES
- DO AS DIRECTED

❖ **LISTENING AND SPEAKING SKILLS :****LISTENING SKILLS : (Assessment I, II & III)**

- A short unseen passage will be read aloud followed by an objective type test based on the passage.

SPEAKING SKILL TOPICS : (Assessment I, II & III)**Assessment I**

Students are supposed to speak on any one of the following topics for 2 minutes.

1. Real Learning through experience.
2. Necessity is the mother of invention.
3. Pros and cons of Co-education.

Assessment II

Students are supposed to speak on any one of the following topics for 2 minutes

1. "Knowledge is power." Elucidate
2. Benefits of smart classes.
3. Women Empowerment

Assessment III

Students are supposed to speak on any one of the following topics for 2 minutes.

1. Importance of Value Education.
2. Should the use of social media be regulated? Give your views.
3. Role of media in a Democracy

☐ **ENGLISH LITERATURE :** _____

❖ **PERIODICAL-I EXAMINATION :**

Treasure Chest
 Short Stories
 Bonku Babu's Friend
 Poetry
 The Night Mail
 Julius Caesar : Act 1 Scene I

❖ **ASSESSMENT-I EXAMINATION:**

Treasure Chest
 Short Stories
 Oliver Asks for More
 With The Photographer
 Bonku Babu's Friend (Revision)
 Poetry
 Skimbleshanks: The Railway Cat
 Haunted Houses
 The Night Mail (Revision)
 Julius Caesar : Act 1 Scenes I, II.

❖ **ASSESSMENT-II EXAMINATION:**

Treasure Chest
 Short Stories
 The Model Millionaire
 The Elevator
 Oliver Asks for More (Revision)
 Poetry
 I Remember, I Remember
 The Glove and the Lions
 Skimbleshanks: The Railway Cat (Revision)
 Julius Caesar : Act I Scenes I, II, III

❖ **PERIODICAL-II EXAMINATION:**

Treasure Chest
 Short Stories
 Home Coming
 The Girl Who Can
 The Model Millionaire (Revision)
 Poetry
 A Doctor's Journal Entry for August 6,1945
 I Remember, I Remember (Revision)
 Julius Caesar : Act I & Act II Scene I.

❖ **ASSESSMENT-III EXAMINATION:**

Full C.I.S.C.E. Class IX Syllabus

☐ **ENGLISH LITERATURE PROJECTS :**❖ **Assessment I :-**

1. Discuss the significance of Act 1 Scene I of William Shakespeare's play "Julius Caesar". (300 words)
2. Critically Appreciate Charles Dickens' Story "Oliver Asks For More." (300 words)

❖ **Assessment II :-**

1. "The Model Millionaire is a study of different social classes and how we perceive them." Elucidate. (300 words)
2. "I Remember, I Remember" by Thomas Hood is a poem dedicated to the nostalgic embrace of the memory of childhood. Discuss. (300 words)

❖ **Assessment III:-**

1. Comment on the Dramatic Irony as used in Act II Scene II of William Shakespeare's "Julius Caesar." (300 words)
2. How does Ruskin Bond deal with the themes of exploitation, role of rumours and mob psychology in his story "The boy Who Broke The Bank."? (300 words)

☐ **2ND LANGUAGE HINDI :** _____

पुस्तकें १) साहित्य सागर

२) साहित्य सागर अभ्यास पुस्तिका

३) सरस हिंदी व्याकरण

❖ **PERIODICAL-I EXAMINATION:**

साहित्य सागर

संक्षिप्त कहानियां

१) बात अठन्नी की

पद्य

१) साखी

व्याकरण

विलोम शब्द -अधम से ऐश्वर्य

पर्यायवाची शब्द- अंक से किनारा

भाव वाचक- लंबा से निज

विशेषण- धर्म से चिंता

वाक्य गत अशुद्धियों का शोधन -१ से २५ तक

मुहावरे- १ से २० तक
 लिंग- देव से चौधरी
 वचन- लड़का से पंखा
 वर्तनी की सामान्य अशुद्धियां- अलोचना से ओद्यौगिक
 अपठित गद्यांश
 पत्र लेखन
 निबंध

❖ **ASSESSMENT-I EXAMINATION:**

साहित्य सागर
 संक्षिप्त कहानियां
 २) काकी
 ३) महायज्ञ का पुरस्कार
 ४) नेताजी का चश्मा
 पद्य
 २) गिरिधर की कुंडलियां
 ३) स्वर्ग बना सकते हैं
 ४) यह जन्मभूमि मेरी
 व्याकरण
 विलोम शब्द- औचित्य से देव
 पर्यायवाची शब्द- किरण से दूध
 भाववाचक- आवश्यक से मूर्ख
 विशेषण- सम्मान से धूम
 वाक्यगत अशुद्धियों का शोधन- २६ से ५०
 मुहावरे- २१ से ४५
 लिंग- जेठ से शूद्र
 वचन- बालक से महिला
 वर्तनी की सामान्य अशुद्धियां- आदरनिय से निर्दयी
 अपठित गद्यांश
 पत्र लेखन
 निबंध

❖ ASSESSMENT-II EXAMINATION:

साहित्य सागर

संक्षिप्त कहानियां

५) अपना अपना भाग्य

६) बड़े घर की बेटी

७) संदेह

पद्य

५) मेघ आए

६) सूर के पद

७) विनय के पद

व्याकरण

विलोम शब्द- धनी से मालिक

पर्यायवाची शब्द- देव से प्रेम

भाववाचक- मधुर से बोना

विशेषण- कर्तव्य से शोक

वाक्यगत अशुद्धियों का शोधन- ५१ से ७५

मुहावरे- ४६ से ७७

लिंग- दाता से नर मक्खी

वचन- माता से गौ

वर्तनी की सामान्य अशुद्धियां- श्रंगार से पौरुषत्व

अपठित गद्यांश

पत्र लेखन

निबंध

❖ PERIODICAL-II EXAMINATION :

साहित्य सागर

संक्षिप्त कहानियां

८) भीड़ में खोया आदमी

❖ पद्य

८) भिक्षुक

❖ व्याकरण

विलोम शब्द- मेहनती से सजल

पर्यायवाची शब्द- बंदर से वायु

भाववाचक- चमकना से समीप

विशेषण-विष से व्यक्ति

वाक्यगत अशुद्धियों का शोधन- ७६ से १००

मुहावरे- ७८ से ११६

वचन- गुड़िया से भाई

वर्तनी की सामान्य अशुद्धियां- अनुयाई से शुद्ध

अपठित गद्यांश

पत्र लेखन

निबंध

❖ ASSESSMENT-III EXAMINATION:

साहित्य सागर

संक्षिप्त कहानियां

- 1) बात अठन्नी की
- 2) काकी
- 3) महायज्ञ का पुरस्कार
- 4) नेताजी का चश्मा
- 5) अपना अपना भाग्य
- 6) बड़े घर की बेटी
- 7) संदेह
- 8) भीड़ में खोया आदमी
- 9) भेड़ें और भेड़िए
- 10) दो कलाकार

❖ पद्य

- 1) साखी
- 2) गिरिधर की कुंडलियां
- 3) स्वर्ग बना सकते हैं
- 4) यह जन्मभूमि मेरी
- 5) मेघ आए
- 6) सूर के पद

- 7) विनय के पद
- 8) भिक्षुक
- 9) चलना हमारा काम है
- 10) मातृ मंदिर की ओर

❖ व्याकरण

संपूर्ण आई सी एस सी पाठ्यक्रम

निम्नलिखित विषयों पर 300-400 शब्दों में हिंदी में परियोजना तैयार कीजिए।

परियोजना -

१. 'बात अठन्नी की' कहानी पर परियोजना तैयार कीजिए।
२. 'गिरिधर की कुंडलियां' पद्य पर परियोजना तैयार कीजिए।
३. 'जाको राखे साइ मार सके न कोय' उक्ति को आधार बनाकर मौलिक कहानी लिखते हुए परियोजना तैयार कीजिए।

□ 2ND LANGUAGE BENGALI :

पुस्तक : ICSE संकलिता

संकलिता ওয়ার্কবুক

চাঁদের পাহাড়

চাঁদের পাহাড় ওয়ার্কবুক

রচনাদর্শ

❖ PERIODICAL-I EXAMINATION: (50 Marks)

ছোট গল্প: গিনি

কবিতা: বঙ্গভূমির প্রতি

চাঁদের পাহাড়: প্রথম অধ্যায়

ব্যাকরণ: সাধু ও চলিত ভাষা, বাক্য পরিবর্তন, বাচ্য, এক কথায় প্রকাশ, একই শব্দের ভিন্ন অর্থে ব্যবহার, বাগধারা ও প্রবাদ প্রবচন।

1. নির্মিতি: পত্র রচনা।

❖ ASSESSMENT-I EXAMINATION: (80 + 20 Marks)

ছোট গল্প: গিনি, লালু।

কবিতা: বঙ্গভূমির প্রতি, কুলি মজুর।

চাঁদের পাহাড়: অধ্যায়-১, ২।

ব্যাকরণ: সাধু ভাষা ও চলিত ভাষা, বাক্যের রূপান্তর, বাচ্য পরিবর্তন, একই শব্দের ভিন্ন অর্থে ব্যবহার, এক কথায় প্রকাশ, বিপরীতার্থক শব্দ, সমোচ্চারিত ভিন্নার্থক শব্দ, বাগধারা, প্রবাদ প্রবচন।

নির্মিতি: প্রবন্ধ রচনা, গল্প রচনা, চিত্র পর্যবেক্ষণ, পত্র রচনা, বোধ পরীক্ষণ।

❖ **ASSESSMENT-II EXAMINATION: (80 + 20 Marks)**

ছোটগল্প: গিনি, লালু, বামা।

কবিতা: বঙ্গভূমির প্রতি, কুলি মজুর, সিঁড়ি।

চাঁদের পাহাড়: অধ্যায়-১, ২, ৩

ব্যাকরণ: বাচ্য, সাধু ভাষা ও চলিত ভাষা, বাক্য পরিবর্তন, বাংলা শব্দ ভান্ডার, ছেদ ও যতি চিহ্ন, একই শব্দের ভিন্ন অর্থে ব্যবহার, এক কথায় প্রকাশ, সমোচ্চারিত ভিন্নার্থক শব্দ, বিপরীতার্থক শব্দ, বানান শুদ্ধিকরণ, বাগধারা ও প্রবাদ প্রবচন।

নির্মিতি: প্রবন্ধ রচনা, গল্প রচনা, চিত্রপর্যবেক্ষণ, পত্ররচনা, বোধ পরীক্ষণ।

❖ **PERIODICAL-II EXAMINATION : (50 Marks)**

ছোট গল্প: ক্যানভাসার

কবিতা: অমলকান্তি

চাঁদের পাহাড়: অধ্যায়: ১, ২, ৩, ৪

ব্যাকরণ: বাচ্য, সাধু ভাষা ও চলিত ভাষা, বাক্য পরিবর্তন, বাংলা শব্দ ভান্ডার, ছেদ ও যতি চিহ্ন, একই শব্দের ভিন্ন অর্থে ব্যবহার, এক কথায় প্রকাশ, সমোচ্চারিত ভিন্নার্থক শব্দ, বিপরীতার্থক শব্দ, বানান শুদ্ধিকরণ, বাগধারা ও প্রবাদ প্রবচন।

নির্মিতি: প্রবন্ধ রচনা, গল্প রচনা, চিত্রপর্যবেক্ষণ, পত্ররচনা, বোধ পরীক্ষণ।

❖ **ASSESSMENT-III EXAMINATION: (80 + 20 Marks)**

ছোট গল্প: গিনি, লালু, বামা, ক্যানভাসার, অসহযোগী।

কবিতা: বঙ্গভূমির প্রতি, কুলি মজুর, সিঁড়ি, অমলকান্তি, সভ্যতার প্রতি।

চাঁদের পাহাড়: অধ্যায়: ১ - ৬

ব্যাকরণ ও নির্মিতি ICSE সম্পূর্ণ পাঠ্যক্রম।

□ **2ND LANGUAGE BENGALI PROJECTS :**

1. তোমার প্রিয় একটি পৌরাণিক চরিত্র - চিত্রসহ আলোচনা কর।
2. কুলি মজুর কবিতা অবলম্বনে শ্রমজীবী মানুষের জীবন সংগ্রামের চিত্র আলোচনা কর।
3. 'বাংলার মন্বন্তর'- অসহযোগী গল্পটি অবলম্বনে আলোচনা কর।

□ **MATHEMATICS :**

1. ICSE Foundation Mathematics Class IX by R S Aggarwal GBP

❖ **PERIODICAL-I EXAMINATION:**

2. Compound Interest
3. Expansions

15. Frequency Distribution
16. Mean and Median of Ungrouped Data and Frequency Polygon
21. Coordinate Geometry

❖ **ASSESSMENT-I EXAMINATION:**

1. Rational and Irrational Numbers
4. Factorization
5. Simultaneous Linear Equations
8. Triangles
9. Mid-point and Intercept Theorems

Revision: Periodical-I Syllabus

❖ **ASSESSMENT-II EXAMINATION:**

10. Pythagoras Theorem
11. Quadrilaterals
12. Areas of Parallelograms and Triangles

Revision: Periodical-I and First Assessment Syllabus.

❖ **PERIODICAL-II EXAMINATION:**

6. Indices
7. Logarithms
13. Chord Properties of a Circle
14. Arc Properties of Circles

Revision: Periodical-I, First Assessment and Second Assessment Syllabus.

❖ **ASSESSMENT-III EXAMINATION:**

17. Perimeter and Area of Plane Figures
18. Circumference and Area of a Circle
19. Volume and Surface Area of Solids
20. Trigonometrical Ratios

Revision: Periodical-I, Periodical-II, First and Second Assessment Syllabus.

☐ **MATHEMATICS PROJECT :**

- ❖ **Topic-1** Conduct a survey of a group of students and represent it graphically – height, weight, number of family members, pocket money etc.

Topic-2 Running a tuck shop/canteen.

☐ **COMMERCIAL STUDIES :** _____

**Name of the book: I.C.S.E Commercial Studies Class – IX C.B. Gupta
(Goyal Brothers Prakashan)**

❖ **PERIODICAL-I EXAMINATION:**

- Ch-1 Commercial and non-commercial activities
- Ch- 2 Business activities
- Ch- 3 Profit and non-profit organisations

- Ch- 4 Classification of commercial organisations
- Ch- 5 Sole Proprietorship and Hindu Undivided family business

❖ **ASSESSMENT-I EXAMINATION:**

- Ch- 2 Business activities- Revision
- Ch- 5 Sole Proprietorship and Hindu Undivided family business- Revision
- Ch- 6 Partnership
- Ch- 7 Joint Stock Company
- Ch- 8 Co operative society
- Ch- 9 Public sector enterprises
- Ch- 10 Marketing and sales
- Ch- 11 Finance and accounts
- Ch- 12 Human resources

❖ **ASSESSMENT-II EXAMINATION:**

- Ch- 11 Finance and accounts-Revision
- Ch- 12 Human resources-Revision
- Ch- 13 Production
- Ch- 14 Purchasing and stores
- Ch- 15 General administration, legal compliance and management information system departments
- Ch- 19 Meaning, objectives and terminology of accounting
- Ch- 20 Basic accounting principles and concepts
- Ch- 21 Accounting books and statements
- Ch- 22 Banking

❖ **PERIODICAL-II EXAMINATION:**

- Ch-10 Marketing and sales - Revision
- Ch- 20 Basic accounting principles and concepts- Revision
- Ch- 22 Banking-Revision
- Ch- 16 Communication in commercial organisations
- Ch-18 Different methods of communication
- Ch-23 Trade
- Ch-24 Social responsibility of commercial organisation towards the environment

❖ **ASSESSMENT-III EXAMINATION:**

Entire syllabus of Class – IX

□ **COMMERCIAL STUDIES PROJECT :**

- ❖ 1. To survey the origin and growth of a Sole proprietorship in the city
- 2. Visit a cooperative society in your city. Find out its special features and activities. How is it managed?

3. Visit a bank situated near your house or school. Collect information about various functions performed in the bank. Which of the services provided by the bank is most popular among businessman? Find out from the bank manager.

4. Make a detailed study of the working of agencies engaged in managing E-waste.

☐ PHYSICS :

Sl. No.	Name of the book	Type	Publisher
1	Lakhmir Singh's Physics by Lakhmir Singh and Manjit Kaur	Textbook	S. Chand
2	ICSE Physics workbook	Workbook	Goyal Brothers Prakashan
3	A textbook of numericals in Physics by Vijay Garg	Numerical	Suryansh Publishers Pvt. Ltd.
4	Nova ICSE Physics Lab Manual	Lab Manual	Nova Publications

Class : IX

❖ PERIODICAL-I EXAMINATION:

Textbook: Chapter 1: Measurements and measuring instruments
Chapter 10: Magnetism

Work book: Chapters (1 and 10)

Practical: Experiment 1- Determine length and diameter of an object using vernier calliper.

❖ ASSESSMENT-I EXAMINATION:

Textbook: Chapter 2: Motion in one dimension
Chapter 9: Current Electricity Include chapters of periodical 1

Work book: Chapters (2 and 9)

Practical: Experiment 2- Determine pitch and least count of screw gauge and then measure the mean radius of a given wire.
Experiment 3- To measure length, breadth and height of the given glass block and then mass of the block.
Finally calculate the density of the given glass block.

❖ ASSESSMENT-II EXAMINATION:

Textbook: Chapter 3: Laws of motion
Chapter 6: Heat and energy (Include chapters 2 and 9)

Work book: Chapters (3 and 6)

Practical: Experiment 4- Determine the volume of the spherical metal ball
Experiment 5- To calculate the time period of a simple pendulum and then evaluate the value of 'g'.

❖ PERIODICAL-II EXAMINATION:

Textbook: Chapter 4: Pressure in fluids (Include chapter 6)

Work book: Chapter (4)

- Practical: Experiment 7- To verify the Laws of Reflection of Light by using a plane mirror.
 Experiment 9- To determine the focal length of a concave mirror by obtaining an image of a distant object.

❖ **ASSESSMENT-III EXAMINATION:**

Textbook: Chapter 5: Upthrust in fluids, Archimedes' Principle and floatation
 Chapter 7: Reflection of light
 Chapter 8: Propagation of sound waves And all the chapters of the book

Work book: Chapters (5, 7 and 8)

- Practical: Experiment 11- To plot the magnetic lines of force of a bar magnet.
 Experiment 12- To obtain the weight of the metal ball in air as well as in water using a spring balance and to verify Archimedes' Principle.

Class : IX

□ **CHEMISTRY :** _____

Book: Simplified ICSE chemistry book 9 by Dalal: Allied Publishers

Practical: ICSE chemistry lab manual 9: Nova

Book- Simplified ICSE chemistry work book 9: Allied Publishers

❖ **PERIODICAL-I EXAMINATION :**

Ch-1: Language of chemistry

Ch-2 : Chemical changes and reaction

❖ **ASSESSMENT-I EXAMINATION:**

Ch-1: Language of chemistry

Ch-2: Chemical changes and reaction

Ch-3: Water

Ch-6: Study of 1st element- Hydrogen

Ch-9: Practical work

Practical as per done in class

❖ **ASSESSMENT-II EXAMINATION :**

Ch-1: Language of chemistry

Ch-2: Chemical changes and reaction

Ch-3: Water

Ch-6: Study of 1st element- Hydrogen

Ch-9: Practical work

Ch-7: Study of gas laws

Ch-8: Atmospheric pollution

Practical as per done in class

❖ **PERIODICAL-II EXAMINATION:**

- Ch-1: Language of chemistry
- Ch-2: Chemical changes and reaction
- Ch-3: Water
- Ch-4: Atomic structure and chemical bonding
- Ch-6: Study of 1st element- Hydrogen
- Ch-7: Study of gas laws
- Ch-8: Atmospheric pollution
- Ch-9: Practical work

❖ **ASSESSMENT-III EXAMINATION :**

- Ch-1: Language of chemistry
 - Ch-2: Chemical changes and reaction
 - Ch-3: Water
 - Ch-4: Atomic structure and chemical bonding
 - Ch-5: Periodic table
 - Ch-6: Study of 1st element- Hydrogen
 - Ch-7: Study of gas laws
 - Ch-8: Atmospheric pollution
 - Ch-9: Practical work
- Practical as per done in class.

□ **BIOLOGY :** _____

Book: Exploring Biology Class - IX (2026), by Sultan Chand.
 Workbook: ICSE Biology Workbook (2026) Class-9, by GBP.
 Practical Manual: ICSE Biology Lab Manual Book - 9 (2026), Nova Publication.

❖ **PERIODICAL-I EXAMINATION :**

- Chapter 1: The Cell
 - Chapter 2: Tissues
 - Chapter 3: The Flower
- Related chapters from the workbook.

❖ **ASSESSMENT-I EXAMINATION:**

- Chapter 4: Pollination
 - Chapter 5: Fertilisation in Plants
 - Chapter 6: Germination of seeds
 - Chapter 7: Respiration in Plants
 - Chapter 8: Diversity in Living Organisms
- Related chapters from the workbook.
 Practical: As per done in the class.

❖ **ASSESSMENT-II EXAMINATION :**

Chapter 9: Bacteria and Fungi
 Chapter 10: Components of Food
 Chapter 11: Human Digestive System
 Chapter 12: Movement and Locomotion
 Chapter 13: Structure and Functions of Skin
 Chapter 14: Human Respiratory System
 Related chapters from the workbook.
 Practical: As per done in the class.

❖ **PERIODICAL-II EXAMINATION :**

Chapter 15: Health and Hygiene
 Chapter 16: Aids to Health
 Chapter 17: Sources of Waste
 Chapter 18: Safe disposal of Wastes
 Related chapters from the workbook.

❖ **ASSESSMENT-III EXAMINATION :**

All chapters as per ICSE Class 9 Syllabus.
 Related chapters from the workbook.
 Practical: As per done in the class.

□ **COMPUTER APPLICATIONS :** _____

BOOK : COMPUTER APPLICATIONS – SUMIT ARORA (DHANPAT RAI & CO.)

❖ **PERIODICAL-I EXAMINATION :**

Chapter 1 Introduction to Object Oriented Programming Concepts
 Chapter 2 Introduction to Java
 Chapter 3 Elementary concepts of Objects & Classes

❖ **ASSESSMENT-I EXAMINATION:**

Chapter 1,2,3 (Revision)
 Chapter 4 Values and Data types
 Chapter 5 Operators and Expressions

PRACTICAL: Chapter 1 to 5

❖ **ASSESSMENT-II EXAMINATION :**

Chapter 1 to 5 (Revision)
 Chapter 6 Methods / Functions
 Chapter 7 Input in Java
 Chapter 8 Mathematical Library Functions

PRACTICAL: Chapter 1 to 8

❖ **PERIODICAL-II EXAMINATION :**

Chapter 1 to 8(Revision)

Chapter 9 Conditional Constructs in Java

Chapter 10 Iterative Constructs in Java

❖ **ASSESSMENT-III EXAMINATION :**

Chapter 1 to 10 (Revision)

Chapter 11 Nested Loops

Chapter 12 Computing and Ethics

PRACTICAL: Chapter 1 to 11 (Entire class IX syllabus)

☐ **ECONOMIC APPLICATIONS :**

❖ **PERIODICAL-I EXAMINATION :**

Meaning and Definition of Economics

Basic Concepts of Economics

Economy and Economic Entities

❖ **ASSESSMENT-I EXAMINATION:**

Basic Problems of an Economy

The nature and the classification of an Economy

Solutions to the basic Economic Problems in different Economies

The Nature of the Indian Economy

(Including all the topics of Periodical 1 Examination)

❖ **ASSESSMENT-II EXAMINATION :**

Impact of Agricultural and Industrial Practices on the Ecosystem

Infrastructure of the Indian Economy

The Sectors of Indian Economy

(Including all the topics of Periodical 1 and 1st Assessment Examination)

❖ **PERIODICAL-II EXAMINATION :**

Social Infrastructure of the Indian Economy

Consumer Awareness

Globalisation

(Including all the topics of Periodical 1,1st and 2nd Assessment Examination)

❖ **ASSESSMENT-III EXAMINATION :**

Full Syllabus

☐ **ECONOMIC APPLICATIONS PROJECT :**

1. Make a presentation on the central problems an economy faces. Explain these with reference to the Indian economy.

2. Take a developed country such as the USA and a developing country such as India. Analyse the main characteristics of these economies.
3. Consumer Awareness: how consumers are exploited, consumer rights, COPRA, RTI.
4. Globalisation and its effects.

☐ **ROBOTICS AND ARTIFICIAL INTELLIGENCE : _____**

❖ **PERIODICAL-I EXAMINATION :**

Part I:

Chapter 1 Introduction to Robotics

Chapter 2 Robot as a System

❖ **ASSESSMENT-I EXAMINATION:**

Part I:

Chapter 1 Introduction to Robotics

Chapter 2 Robot as a system

Part II:

Chapter 1 Introduction to Artificial Intelligence (AI)

Chapter 2 Role of Data and Information, Evolution of Computing

PROJECT

1. Robots are becoming smarter day by day. Identify 5 unique smart robots and make a presentation in the class as a think pair.
2. "Think and plan a small presentation on how AI could be used in classrooms. Which subjects could be taught and how would teaching be different in an AI-enabled classroom?"

❖ **ASSESSMENT-II EXAMINATION :**

Part I

Chapter 1 Introduction to Robotics

Chapter 2 Robot as a System

Chapter 3 Concepts in Robotics

Part II

Chapter 1 Introduction to Artificial Intelligence (AI)

Chapter 2 Role of Data and Information, Evolution of Computing

Chapter 3 Introduction to Data and Programming with Python

i) Familiarization with Python

ii) Introduction to data types and variables

iii) Introduction to Operators

PROJECT:

1. "All robots are machines, but all machines are not robots." Prepare a write up on the same.

2. Construct a Mind map of Robots and Robotic Systems covering Features, Applications and Classification of Robots (refer to Mind Map — Tony Buzan).
3. AI is a powerful tool; however, depending on how it is used, it can be a blessing or a curse. Discuss with examples.

❖ PERIODICAL-II EXAMINATION :

Part I

- | | |
|-----------|--------------------------|
| Chapter 1 | Introduction to Robotics |
| Chapter 2 | Concepts in Robotics |

Part II

- | | |
|-----------|--|
| Chapter 1 | Introduction to Artificial Intelligence (AI) |
| Chapter 2 | Role of Data and Information, Evolution of Computing |
| Chapter 3 | Introduction to Data and Programming with Python |
| | i) Familiarization with Python |
| | ii) Introduction to data types and variables |
| | iii) Introduction to operators |
| | iv) Conditional Statements |
| | v) Control Statements |
| | vi) Functions |

Class : IX

❖ ASSESSMENT-III EXAMINATION :

Part I

- | | |
|-----------|--------------------------|
| Chapter 1 | Introduction to Robotics |
| Chapter 2 | Robot as a System |
| Chapter 3 | Concepts in Robotics |

Part II

- | | |
|-----------|--|
| Chapter 1 | Introduction to Artificial Intelligence (AI) |
| Chapter 2 | Role of Data and Information, Evolution of Computing |
| Chapter 3 | Introduction to Data and Programming with Python |
| | i) Familiarization with Python |
| | ii) Introduction to data types and variables |
| | iii) Introduction to Operators |
| | iv) Conditional Statements |
| | v) Control Statements |
| | vi) Functions |
| Chapter 4 | AI Concepts and AI Project Framework |

PRACTICAL:

1. Write Python code to generate "AI is a Powerful Tool; however, it is to be used with "Discretion" as output.
2. Discuss the uses of Python functions like modularity, reducing repetition of code, keeping different functionalities separate.

3. Explain the different types of errors incurred while executing a Python script.
4. Describe 'while' loop with example in Python.
5. Write a Python code to find the larger of the two numbers.
6. Input a number and check whether it is a prime or a composite number using Python code.
7. Input two numbers and find their HCF and LCM using Python code.
8. To print the format using python code:

```
1
1 1
1 1 1
```
9. Generate first n terms of a Fibonacci series 0,1,1,2,3,5,8,.. using python code.

☐ YOGA APPLICATIONS :

❖ PERIODICAL-I EXAMINATION :

- Human Skeleton
- Muscular System
- Valmiki
- Ramakrishna Paramhansa
- Practical
- Four Aashramas

❖ ASSESSMENT-I EXAMINATION:

- Kabir
- Guru & Shishya
- The four Purusharthas
- The four Margas
- An understanding of Yoga
- Periodical I Chapter
- Practical

❖ ASSESSMENT-II EXAMINATION :

- Hatha Yoga
- Pancha Kosha
- Pancha Pranas
- Psychological aspect of an asana practice
- Respiratory System
- Digestive System
- Mirabai
- Practical

- Periodical I & 1st assessment chapters

❖ **PERIODICAL-II EXAMINATION :**

- Patanjali & his contribution to Yoga
- Astanga Yoga as defined in the Yoga Sutras
- The Seven chakras
- Sutras
- Yogachara
- Practical
- Periodical I, 1st & 2nd assessment chapters

❖ **ASSESSMENT-III EXAMINATION :**

- Class IX completed syllabus (Periodical & Assessment).
- Revision of all the completed chapters of the session.

□ **PHYSICAL EDUCATION :** _____

❖ **PERIODICAL-I EXAMINATION :**

- Ch. 1 (Part A) – The Human Anatomy and Physiology.
Ch. 2 (Part A) – Muscular System.
(Part B) – Cricket.

❖ **ASSESSMENT-I EXAMINATION:**

- Ch. 3 (Part A) – Respiratory System
Ch. 4 (Part A) – Circulatory System
(Part B) – Cricket.

❖ **ASSESSMENT-II EXAMINATION :**

- Ch. 5 (Part A) – Games And Sports.
(Part B) – Cricket.
(Part B) – Football.

❖ **PERIODICAL-II EXAMINATION :**

- Includes all the chapters of Periodical and Assessments.
Revision of all the completed chapters of the session.

❖ **ASSESSMENT-III EXAMINATION :**

- Includes all the chapters of Periodical and Assessments.
Revision of all the completed chapters of the session.

Project: Cricket
: Football

□ **ENVIRONMENTAL APPLICATION :** _____

❖ **PERIODICAL-I EXAMINATION :**

Ch-1 Introduction

❖ **ASSESSMENT-I EXAMINATION:**

Ch-2 Basic Ecology

Revision Ch-1

❖ **ASSESSMENT-II EXAMINATION :**

Ch-3 Conservation of Ecosystems

Revision – Ch-1, 2.

❖ **PERIODICAL-II EXAMINATION :**

Ch-4 Dynamics of development and resource use

Revision – Ch-3

❖ **ASSESSMENT-III EXAMINATION :**

Ch-5 Understanding Land use

Revision – Ch-2, 3 & 4

Internal Assessment:

Students are recommended to complete two case studies and one project from the list given in CISCE curriculum.

☐ **HISTORY AND CIVICS :** _____

TEXT BOOK- INDIAN HISTORY WORLD DEVELOPMENTS AND CIVICS (APC)

❖ **PERIODICAL-I EXAMINATION :**

HISTORY

Indian History

CH 1. The Harappan Civilization

World History

CH 12. Renaissance

CIVICS

CH 1. Our Constitution and its salient features

❖ **ASSESSMENT-I EXAMINATION:**

Theory 80 Marks/ Project 20 Marks

HISTORY

Indian History

CH 2/3 The Vedic Civilization (Early and Later Vedic)

CH 4. Jainism and Buddhism

World History

CH 13. The Reformation

CIVICS

CH 3 Election and Election Commission

CH 4 Local Self Governments:

Rural Local Institutions

(Including entire PERIODICAL 1 SYLLABUS)

PROJECT TOPIC (ASSESSMENT-I)

MODEL MAKING

Topics suggested -

Harappan and Mohenjo Daro architecture

Gurukul

Seals

Art and Craft of Indus Valley

Architectural Models of any era(Nalanda, Vishnu temple, Sanchi Stupa, Brihadeshwara,

Qutub Minar

Charts - COLLAGE OF

Comparative study between Harappan and Mesopotamian architecture

❖ **ASSESSMENT-II EXAMINATION :**

80 Marks /20 Marks Project

HISTORY

Indian History

CH.5. The Mauryan Empire

CH.6. The Sangam Age

CH7. The Age of the Guptas

World History

CH.14 Industrial Revolution and Capitalism and Socialism

(Including ALL chapters covered in Periodical 1 and Assessment 1)

CIVICS

CH 5. Local Self Government - Urban Local Institution

(Including all chapters in Civics- CH 1 - 4)

PROJECT TOPIC (Assessment 2)

FILE BASED

How the Indian Constitution protects the rights of women, children, minorities and marginalized communities. Support your views with adequate pictorial representation

❖ **PERIODICAL-II EXAMINATION :**

HISTORY

Indian History

CH. 8 South India and the Cholas

CH.9. The Delhi Sultanate

CH.5 The Mauryan Age (Revision Chapter)

World History (Revision Chapters)

CH. 12 The Renaissance

CH. 13. The Reformation

CIVICS (Revision Chapters)
CH 3 Elections and the Election Commission
CH 4/5 Local Self Government: Rural/Urban Local Institutions

❖ **ASSESSMENT-III EXAMINATION :**

THEORY- 80 Marks / PROJECT - 20 Marks

HISTORY

Indian History

CH 10. The Mughal Empire

CH11. The Composite Culture **including CH 1-9**

WORLD HISTORY

CH 12,13,14

CIVICS

CH 1,3,4,5

ENTIRE BOOK covered throughout the academic session.

PROJECT TOPIC (Assessment 3)

FILE BASED

With the help of pictorial representation, explain how Local self-governing bodies develop local leadership that later helps the state and central governments in sharing the burden of work which thus gets done quicker, better and cheaper.

Or

Make a pictorial representation of inventions and innovations made during the Renaissance and its impact on coming generations. Support your research with adequate pictorial representation.

☐ **GEOGRAPHY :** _____

Book- Geo Travel (A course book of geography for ICSE)

Publisher - Navneet

❖ **PERIODICAL-I EXAMINATION :**

Chapter1- Our planet earth.

Chapter2- Geographic Grid : Latitudes and Longitudes.

Chaper3- Rotation and Revolution.

Chapter4- The interior of the earth.

Map of world:

The Oceans, Seas, Gulfs and Straits - All major Oceans, Caribbean Sea, North Sea, Black Sea, Caspian Sea, South China Sea, Mediterranean Sea, Gulf of Carpentaria, Hudson Bay, Persian Gulf, Gulf of Mexico, Gulf of Guinea, Bering Strait, Strait of Gibraltar, Strait of Malacca.

Rivers – Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Zambezi, Orange, Rhine, Volga, Danube, Murray, Darling, Hwang Ho, Yangtze Kiang, Ob, Indus, Ganga, Mekong, Irrawaddy, Tigris, Euphrates.

❖ **ASSESSMENT-I EXAMINATION:**

Chapter 5- Landforms of the Earth.

Chapter 6- Rocks and minerals.

Chapter 7- Volcanoes and earthquakes.

Chapter 15-The natural regions of the world II

Revision chapters-

Chapter 3- Rotation and Revolution.

Chapter 4- The interior of the earth.

Chapter2- Geographic Grid : Latitudes and Longitudes.

Map of World:

The Oceans, Seas, Gulfs and Straits - all Major Oceans, Caribbean Sea, North Sea, Black Sea, Caspian Sea, South China Sea, Mediterranean Sea, Gulf of Carpentaria, Hudson Bay, Persian Gulf, Gulf of Mexico, Gulf of Guinea, Bering Strait, Strait of Gibraltar, Strait of Malacca.

Rivers – Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Zambezi, Orange, Rhine, Volga, Danube, Murray, Darling, Hwang Ho, Yangtze Kiang, Ob, Indus, Ganga, Mekong, Irrawaddy, Tigris, Euphrates.

Mountains – Rockies, Andes, Appalachian, Alps, Himalayas, Pyrenees, Scandinavian Highlands, Caucasus, Atlas, Drakensburg, Khinghan, Zagros, Urals, Great Dividing Range.

Project –A project file having the following topics.

(a) Uses of important types of maps.

(b) Directions and how to identify them - an illustrative diagram.

(c) Reading and using statement of scale, graphic scale and scale shown by representative fraction method. (No drawing work, only explaining their meanings).

❖ **ASSESSMENT-II EXAMINATION :**

Chapter 8- Weathering and Denudation.

Chapter 9- Hydrosphere

Chapter10- Structure and composition of the atmosphere.

Chapter 16- Types of pollution-Sources and effect.

Chapter 17- Pollution – Case studies and preventive measures.

Revision Chapters-

Chapter 5- landforms of the earth.

Chapter 7- Volcanoes and earthquake.

Map of World:

The Oceans, Seas, Gulfs and Straits - All Major Oceans, Caribbean Sea, North Sea, Black Sea, Caspian Sea, South China Sea, Mediterranean Sea, Gulf of Carpentaria, Hudson Bay, Persian Gulf, Gulf of Mexico, Gulf of Guinea, Bering Strait, Strait of Gibraltar, Strait of Malacca.

Rivers – Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Zambezi, Orange, Rhine, Volga, Danube, Murray, Darling, Hwang Ho, Yangtze Kiang, Ob, Indus, Ganga, Mekong, Irrawaddy, Tigris, Euphrates.

Mountains – Rockies, Andes, Appalachian, Alps, Himalayas, Pyrenees, Scandinavian Highlands, Caucasus, Atlas, Drakensburg, Khinghan, Zagros, Urals, Great Dividing Range.

Plateaus – Canadian Shield, Tibetan Plateau, Brazilian Highlands, Patagonian Plateau, Iranian Plateau, Mongolian Plateau.

Project- Make project file on find out the source of pollution of waterbodies (river, lake, pond, nala, canal) in your locality & state the harmful effects and their probable remedies taken by government or local bodies. As a responsible citizen what was your initiative to crater this issue.

❖ PERIODICAL-II EXAMINATION :

Chapter11- Insolation

Chapter12- Atmospheric pressure and Winds.

Chapter 13- Humidity.

Map of World.

The Oceans, Seas, Gulfs and Straits - All Major Oceans, Caribbean Sea, North Sea, Black Sea, Caspian Sea, South China Sea, Mediterranean Sea, Gulf of Carpentaria, Hudson Bay, Persian Gulf, Gulf of Mexico, Gulf of Guinea, Bering Strait, Strait of Gibraltar, Strait of Malacca.

Rivers – Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Zambezi, Orange, Rhine, Volga, Danube, Murray, Darling, Hwang Ho, Yangtze Kiang, Ob, Indus, Ganga, Mekong, Irrawaddy, Tigris, Euphrates.

Mountains – Rockies, Andes, Appalachian, Alps, Himalayas, Pyrenees, Scandinavian Highlands, Caucasus, Atlas, Drakensburg, Khinghan, Zagros, Urals, Great Dividing Range.

Plateaus – Canadian Shield, Tibetan Plateau, Brazilian Highlands, Patagonian Plateau, Iranian Plateau, Mongolian Plateau.

❖ ASSESSMENT-III EXAMINATION :

Chapter14-The natural regions of the world II

Revision Chapters- As per ICSE norms. (Full syllabus covered)

Map of World.

The Oceans, Seas, Gulfs and Straits - All Major Oceans, Caribbean Sea, North Sea, Black Sea, Caspian Sea, South China Sea, Mediterranean Sea, Gulf of Carpentaria, Hudson Bay, Persian Gulf, Gulf of Mexico, Gulf of Guinea, Bering Strait, Strait of Gibraltar, Strait of Malacca.

Rivers – Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Zambezi, Orange, Rhine, Volga, Danube, Murray, Darling, Hwang Ho, Yangtze Kiang, Ob, Indus, Ganga, Mekong, Irrawaddy, Tigris, Euphrates.

Mountains – Rockies, Andes, Appalachian, Alps, Himalayas, Pyrenees, Scandinavian Highlands, Caucasus, Atlas, Drakensburg, Khinghan, Zagros, Urals, Great Dividing Range.

Plateaus – Canadian Shield, Tibetan Plateau, Brazilian Highlands, Patagonian Plateau, Iranian Plateau, Mongolian Plateau.

The major Natural Regions of the world - Equatorial, Tropical Monsoon, Tropical Deserts, Mediterranean type, Tropical grasslands, Temperate grasslands, Taiga and Tundra.

Project - Make chart/ working model model/ cartoon/ posters/ collages on: Meteorological Instruments and their uses (Write 'uses' in separate chart):

(Any **one** of the following)

1. Six's Maximum and Minimum Thermometer
2. Mercury Barometer
3. Aneroid Barometer
4. Wind Vane
5. Anemometer
6. Rain Gauge
7. Hygrometer.
8. Anemometer
9. Seismograph

Or,

Make chart/ working model/ model/ cartoon/ posters/ collages on:

(Any one of the following)

Global Environmental issue:

1. Global warming
2. Deforestation
3. Ozone hole depletion
4. Industrial effluents
5. Pollution
6. Habitat loss
7. Endangered species
8. Conservation methods (national park/ Reserve forest/ sanctuary)

☐ **SUPW :** _____

❖ **HALF YEARLY EXAMINATION:**

Subsidiary service

1. Medical plant.
2. Embross painting.
3. Drawing.
4. Board painting

❖ **ANNUAL EXAMINATION :**

Main craft service

5. Bamboo work.
6. Cleaning
7. Visit to a old age home

☐ **PHYSICAL TRAINING (PT)** _____

❖ **HALF YEARLY EXAMINATION:**

- High knees.
- Push-up.
- Side sitting.
- Jump and chest touch.
- Shuttle run (10×4 yard).
- Burpees.
- Jumping jack.
- Chess.
- Carrom.
- Kabaddi.

❖ **ANNUAL EXAMINATION :**

- Leg lift.
- Hindu push up.
- Mountain climber.
- Basketball.
- Recreation Game.
- AAPPHER physical fitness test.
- Football.

☐ **VOCAL MUSIC** _____

❖ **HALF YEARLY EXAMINATION:**

1. PATRIOTIC SONG
2. WESTERN POP SONG
3. POPULAR HINDI SONG
4. REGIONAL FOLK SONG

❖ **ANNUAL EXAMINATION :**

1. COMPOSITION OF SALIL CHOWDHURY
2. ENGLISH MELODY
3. OWN CHOICE
4. TAAL/RHYTHM DADRA

☐ **YOGA (MEDITATION)** _____

❖ **HALF YEARLY EXAMINATION:**

- Yoga prayer
- Om chanting
- Shitali Pranayama
- Anuloma-Viloma Pranayama
- Vrikhasana
- Ushtrasana
- Shalabhasana

❖ **ANNUAL EXAMINATION :**

- Uddiyan
- Trikonasana
- Utthana mundukasana
- Dhanurasana
- Hastottanasana



Class : IX