

SYLLABUS 2024-25



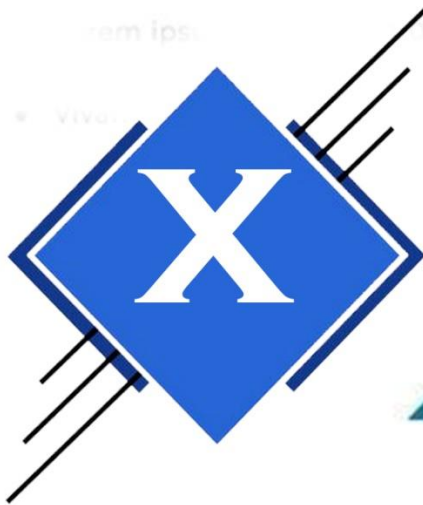
AGRASAIN BOYS' SCHOOL

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

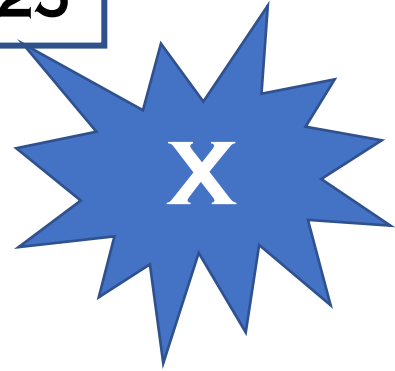
21/A, Agrasain Street, Liluah, Howrah-711204

Phone : 2655 4544 / 4547

E-mail : absceo@rediffmail.com



SYLLABUS : 2024-25



Class : X

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



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 : X

Class : X

□ ENGLISH LANGUAGE :

BOOK: Total English I.C.S.E. Book X (Morning Star)

Pretest

As per I.C.S.E 2025 syllabus.

Assessment 1

As per I.C.S.E 2025 syllabus.

Assessment 2

As per I.C.S.E 2025 syllabus.

Periodical

As per I.C.S.E 2025 syllabus.

Pre-board

As per I.C.S.E 2025 syllabus.

ENGLISH LANGUAGE PROJECT

Speaking skill and listening skill

(Topics to be provided by the respective teachers in the class)

□ ENGLISH LITERATURE :

BOOK: 1. TREASURE CHEST : I.C.S.E. A Collection of poems and short stories

2. Workbook cum notes on Treasure Chest: I.C.S.E. Poems

3. Workbook cum notes on Treasure Chest: I.C.S.E. short stories

4. Julius Caesar Textbook

5. Julius Caesar workbook

Pretest

A Collection of poems:

Haunted Houses

The Glove and the Lions

When Great Trees Fall

A Collection of short stories:

With the Photographer

The Elevator

The Girl Who Can

Julius Caesar: Act III (till pages done)

Assessment 1

A Collection of poems: The Glove and the Lions
 When Great Trees Fall
 A Considerable Speck

A Collection of short stories: The Elevator
 The Girl Who Can
 The Pedestrian

Julius Caesar: Act III, Act IV (till pages done)

Assessment 2

A Collection of poems: Haunted Houses
 The Glove and the Lions
 When Great Trees Fall
 A Considerable Speck
 The Power of Music

2. A Collection of short stories: With the Photographer
 The Elevator
 The Girl Who Can
 The Pedestrian
 The Last Lesson

Julius Caesar: Act III, Act IV, Act V (till pages done)

Periodical

As per I.C.S.E 2025 syllabus.

Pre-board

As per I.C.S.E 2025 syllabus.

ENGLISH LITERATURE PROJECT:

Project topics for Class X (I.C.S.E. project)

Project 1

1. “The Glove and the Lions” by Leigh Hunt describes the dangerous game of love played in the royal court of the king and the consequences of going too far. — Elucidate. (350 words)
2. Explain the significance of the line from Act III Scene 1— “Et tu, Brute? Then fall Caesar!” (400 words)

Project 2

1. The story, “With the Photographer” by Stephen Leacock exposes the themes of appearance, humiliation, insecurity and self-respect. Discuss. (350 words)
2. Draw a character sketch of Marcus Brutus as a tragic hero in Shakespeare’s play, ‘Julius Caesar.’ (400 words)

Guidelines

- Write your project in file papers.

- Use only black and blue ink.
- Avoid green and red colour ink to write heading.
- Write each topic in different page.
- Draw borders on plain side of each page.
- Pictures to be pasted with captions.
- Project should be neat, tidy and legible.

Contents

Page 1- Name, class, section, Roll no., Subject(printout with school logo)
 Page 2- Acknowledgment
 Page 3- Index
 Page 4- Topic's name
 Page 5- Introduction
 Page 6- About the topic
 Page 7- Conclusion
 Page 8- Bibliography

Class : X

□ 2ND LANGUAGE-BENGALI :

Pre Test (80+20)

ছোট গল্প: নাম

কবিতা: আবার আসিব ফিরে

চাঁদের পাহাড়: অধ্যায়- ১-৭

ব্যাকরণ ও নির্মিতি সমগ্র পাঠ্যক্রম।

Class 9 এর সমগ্র পাঠ্যক্রম।

1st Assessment (80+20)

ছোট গল্প: নীল মানুষের কাহিনী, দেবতার জন্ম

কবিতা: খো খো, রবীন্দ্রনাথের প্রতি ।

চাঁদের পাহাড়: অধ্যায় ১-৯

ব্যাকরণ ও নির্মিতি: সমগ্র পাঠ্যক্রম

Revision: নবম শ্রেণীর সমগ্র পাঠ্যক্রম

Pretest এর সমগ্র পাঠ্যক্রম

2nd Assessment (80+20)

ছোট গল্প: গন্ধটা খুব সন্দেহজনক, লোকটি।

কবিতা: ফুল ফুটুক না ফুটুক , বাবু বলেন।

চাঁদের পাহাড়: অধ্যায় ১ -১৪

ব্যাকরণ ও নির্মিতি: সমগ্র পাঠ্যক্রম

Revision: নবম শ্রেণীর সমগ্র পাঠ্যক্রম

Pre test and 1st assessment এর সমগ্র পাঠ্যক্রম

Periodical (80+20)

ছোট গল্প: ICSE সমগ্র পাঠ্যক্রম

কবিতা: ICSE সমগ্র পাঠ্যক্রম

চাঁদের পাহাড়: সম্পূর্ণ উপন্যাস

ব্যাকরণ ও নির্মিতি: সমগ্র পাঠ্যক্রম

Pre board examination (80+20)

গল্প, কবিতা, চাঁদের পাহাড় ও ব্যাকরণ – নির্মিতি ICSE সমগ্র পাঠ্যক্রম

Project.

1. “অরণ্যকেন্দ্রিক সভ্যতা এবং নগর কেন্দ্রিক সভ্যতার দ্বন্দ্ব”- বর্তমান সময়ের নিরিখে কতটা প্রাসঙ্গিক, তা তোমার পঠিত সভ্যতার প্রতি কবিতা অবলম্বনে আলোচনা কর।
2. তোমার দেখা যেকোনো একটি চলচ্চিত্রের পর্যালোচনা।

□ 2ND LANGUAGE-HINDI :

पुस्तकें :- १) साहित्य सागर

२) साहित्य सागर – अभ्यास पुस्तिका

३) सरस हिन्दी व्याकरण

PRE TEST

साहित्य सागर :- संक्षिप्त कहानियाँ

- 1) बात अठन्नी की
- 2) काकी
- 3) महायज्ञ का पुरस्कार

पद्य

- 1) साखी
- 2) गिरिधर की कुंडलियां
- 3) स्वर्ग बना सकते हैं

व्याकरण

मुहावरे, विलोम, पर्यायवाची, भाववाचक संज्ञाएँ बनाना, विशेषण, वाक्यगत अशुद्धियों का शोधन, वर्तनी की सामान्य अशुद्धियाँ, वाक्य परिवर्तन, लिंग एवं वचन परिवर्तन
अपठित गद्यांश

पत्र लेखन

निबंध

1ST ASSESSMENT EXAMINATION

साहित्यसागर :- संक्षिप्त कहानियाँ

- 1) नेताजी का चश्मा
- 2) अपना अपना भाग्य
- 3) बड़े घर की बेटी

पद्य

- 1) यह जन्मभूमि मेरी
- 2) मेघ आए
- 3) सूर के पद

व्याकरण

Full ICSE Syllabus(संपूर्ण आईसीएसई पाठ्यक्रम)

2nd ASSESSMENT EXAMINATION

साहित्य सागर :- संक्षिप्त कहानियाँ

- 1) संदेह
- 2) भीड़ में खोया आदमी
- 3) भेड़ें और भेड़िए
- 4) दो कलाकार

पद्य

- 1) विनय के पद
- 2) भिक्षुक
- 3) चलना हमारा काम है
- 4) मातृ मंदिर की ओर

PERIODICAL

Full Syllabus (संपूर्ण आईसीएसई पाठ्यक्रम)

Class : X

PRE BOARD

Full Syllabus(संपूर्ण आईसीएसई पाठ्यक्रम)

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

1. 'काकी' कहानी पर परियोजना तैयार कीजिए।
2. 'मनुष्य है वहीं जो मनुष्य के लिए मरे' उक्ति को आधार बनाकर एक मौलिक कहानी लिखते हुए परियोजना तैयार कीजिए।

Class : X

□ MATHEMATICS :

Understanding ICSE Mathematics Class X by M L Aggarwal APC

PRE-TEST:

- Ch-2. Banking
- Ch-4. Linear Inequations
- Ch-5. Quadratic Equations in One Variable
- Ch-8. Matrices
- Ch-22. Probability

FIRST ASSESSMENT:

- Ch-6. Factorisation
- Ch-7. Ratio and Proportion
- Ch-10. Reflection
- Ch-11. Section Formula
- Ch-12. Equation of a Straight Line
- Ch-21. Measures of Central Tendency

Revision: Pre-test Syllabus

SECOND ASSESSMENT:

- Ch-1. Goods and Services Tax (GST)
- Ch-3. Shares and Dividends
- Ch-9. Arithmetic and Geometric Progressions
- Ch-18. Trigonometrical Identities

Revision: Pre-test + First Assessment Syllabus

PERIODICAL:

- Ch-15. Circles
- Ch-16. Constructions

- Ch-17. Mensuration
- Ch-19. Trigonometrical Tables
- Ch-20. Heights and Distances

Revision: Pre-test + First + Second Assessment Syllabus

PRE-BOARD:

- Ch-13. Similarity
- Ch-14. Locus
- Full ICSE Class-X Syllabus

Project

Topic-1 Survey of various types of bank accounts, rates of interest offered.

Topic-2 Planning a home budget.

□ COMMERCIAL STUDIES :

Book- ICSE Commercial Studies (Part-II) Class- X

Author- CB Gupta

Publisher- Goyal Brothers Prakashan

PRETEST EXAMINATION:

Chapter 1: Stakeholders in Commercial Organisations

Chapter 2: Marketing and Sales

Chapter 3: Advertising and Sales Promotion

Chapter 4: Consumer Protection

1ST ASSESSMENT:

Chapter 2: Marketing and Sales-Revision

Chapter 3: Advertising and Sales Promotion- Revision

Chapter 4: Consumer Protection-Revision

Chapter 6: Capital and Revenue Expenditure/Income

Chapter 5: E-Commerce

Chapter 7: Final Accounts of Sole Proprietorship

2ND ASSESSMENT:

Chapter 5: E-Commerce- Revision

Chapter 6: Capital and Revenue Expenditure/Income- Revision

Chapter 7: Final Accounts of Sole Proprietorship-Revision

Chapter 8: Fundamental Concepts of Cost

Chapter 9: Budgeting

Chapter 10: Sources of Finance

Chapter 11: Recruitment, Selection and Training

Chapter 12: Industrial Relations, Trade Unions and Social Security

PERIODICAL EXAMINATION:

Chapter 7: Final Accounts of Sole Proprietorship-Revision

Chapter 9: Budgeting-Revision

Chapter 10: Sources of Finance -Revision

Chapter 11: Recruitment, Selection and Training- Revision

Chapter 13: Logistics and Insurance

Chapter 14: Banking

Chapter 15: Striving for a Better Environment

PREBOARD EXAMINATION:

Entire ICSE Syllabus.

COMMERCIAL STUDIES (PROJECT TOPICS) :**Topic-1**

From the daily newspaper which your family buys, select ten different advertisement: Compare each of them with the essentials of a good advertisement you have read in this chapter. Note down how many requirements are fulfilled by each advertisement. Is the advertisement which fulfil the maximum number of requirements the most popular/effective?

Topic-2

A large business house has several factories which produce fast-moving consumer goods. It has its own fleet of trucks and warehouses in different parts of the country. The business house wants to reduce the time and costs involved in the distribution of its products among retailers. Advise the house.

Topic-3

Meet ten responsible persons of your town and ask them whether they know the six rights of a consumer provided under the Consumer Protection Act. How many of them know about these rights? Prepare a chart depicting the consumer rights. Copies of chart may be put in your Library/Classroom and Community Hall of the town.

Topic-4

Visit the office of any commercial bank located near your school/residence. Meet in a group the manager of the bank branch. Enquire from him the functions and services which the bank offers to business firms. You may prepare a brief report on the basis of information collected from the manager.

☐ PHYSICS :

NAME OF THE BOOK: CONCISE PHYSICS

PUBLISHER: SELINA PUBLISHERS

WRITTEN BY: R.P. GOYAL AND S.P. TRIPATHI

Pre-Test:

1. Forces
2. Work, power and energy

Assessment 1:

3. Machines
4. Refraction of light at plane surfaces
5. Refraction through lens
6. Spectrum
7. Sound

Chapters from Pre-Test included**Practicals as per ICSE norms****Assessment 2:**

8. Current electricity
9. Household circuits
10. Electromagnetism

Chapters from 1 to 7 included**Practicals as per ICSE norms****Periodical:**

11. Calorimetry
12. Radioactivity

Chapters 1 to 10 included**Practicals as per ICSE norms****Preboard:****FULL SYLLABUS**

Project:- The students are advised to make a project based on any one of the topics/experiments as discussed/demonstrated by the subject teacher in class for ICSE 2024-2025.

 CHEMISTRY :**CONCISE CHEMISTRY CLASS - X****PRE-TEST:**

- Ch-1. Periodic Properties and Variation of Properties
Ch-2. Chemical Bonding
Ch -4. Analytical Chemistry

First Assessment:

- Ch-3. Acid, Bases and salts
Ch-5. Mole Concept and Stoichiometry
Ch-6. Electrolysis
Revision: Pre-test Syllabus
Practicals as per ICSE norms

Second Assessment:

Ch-9 .Organic Chemistry

Ch-8. Study Of Compounds

Revision: Pre-test + First Assessment Syllabus

Practicals as per ICSE norms

Periodical:

Ch-7 .Metallurgy

Revision: Pre-test + First + Second Assessment Syllabus

Pre-Board: Practical as per ICSE norms

Full ICSE Class-X Syllabus

☐ BIOLOGY :**PRETEST**

Unit 1

Structure of chromosomes, cell cycle and cell division.

Genetics- some basic fundamentals

Unit 2

Absorption by roots- the process involved

ASSESSMENT 1**Unit 2**

Transpiration

Photosynthesis

Chemical co- ordination in plants

Unit 3

The circulatory system

Practical: As per done in class

ASSESSMENT 2**Unit 3**

The excretory system

The nervous system

Sense organs

The endocrine system

Practical: As per done in class

PERIODICAL**Unit 3**

The reproductive system

Unit 4

Human evolution

Population-the increasing numbers and rising problems.

Pollution- a rising environmental problem

Chapters from pretest, Assessment 1, Assessment 2 practical : As per done in class

ASSESSMENT 3

Entire ICSE syllabus

Practical:

As per ICSE syllabus

☐ HISTORY & CIVICS :**TEXT BOOK PRESCRIBED:****INDIAN HISTORY, CONTEMPORARY WORLD AND CIVICS (APJ) Jacob and Tayal****Reference Book:****Total History and Civics: Morning Star****PRE-TEST : (80 marks)****INDIAN HISTORY**

CH 1.The First War of Independence (1857-1917)

THE CONTEMPORARY WORLD

CH 11 The First World War (1914-18)

CIVICS

CH 1. The Union Parliament

ASSESSMENT I**(Theory - 80 / Project - 20)****INDIAN HISTORY**

CH 2 Factors leading to the growth of Nationalism and foundation of Indian National Congress

CH 3 Objectives and method of struggle of the Early Nationalists

THE CONTEMPORARY WORLD

CH12 Rise of Dictatorship: Fascism and Nazism

Ch. 13. The Second World War (1939- 45)

(INCLUDING PRETEST SYLLABUS OF HISTORY)**CIVICS**

CH 2. The Union Executive: The President and the Vice President

(INCLUDING PRETEST SYLLABUS OF CIVICS)

PROJECT :-

Day of Submission:- School reopening week after Summer vacation

TOPIC:-

Modals - World Wars

Charts - Nationalists

First War of Independence (Collage)

ASSESSMENT II

(Theory- 80/ Continuous Assessment/Copy Evaluation- 20)

INDIAN HISTORY

CH 4 Second phase of Indian National Movement: Partition of Bengal and other developments

CH 5 Factors leading to the formation of the Muslim League

CH 6 National Movement during First World War: Lucknow Pact

CH 7 National Movement (1919-34): Non- Cooperation Movement, Civil Disobedience Movement

CH8 The Cripps Mission and the Quit India Movement

THE CONTEMPORARY WORLD

Ch. 14. United Nations Organization: Organ, Objectives and the Principal Organ

Ch. 15 Major Agencies of the United Nations Ch. 16 The Non-Aligned Movement

(INCLUDING ENTIRE PRETEST/ FIRST ASSESSMENT SYLLABUS OF HISTORY)

CIVICS

Ch. 3. The United Executive: The Prime Minister, the Union Cabinet and the Council of Ministers

Ch.4 The Union Judiciary: The Supreme Court

Including CH 1 To CH 3 (civics)

INTERNALS:-

CONTINUOUS ASSESSMENT AND COPY EVALUATION

PERIODICAL II (80 marks)**INDIAN HISTORY**

CH9 Subhas Chandra Bose, Forward Bloc and INA

CH 10. Independence and Partition of India

(INCLUDING ALL PREVIOUS CHAPTERS FROM INDIAN HISTORY)

WORLD HISTORY

CH. 11-16(Entire World History)

CIVICS

Ch. 5 The Union Judiciary: The High Court

Ch. 6 The Subordinate Courts

Including CH 1 TO CH 4 (Entire Civics)

PRE BOARDS (JANUARY)**Theory- 80 / Board Project - 20****ENTIRE SYLLABUS COVERED THROUGHOUT THE ACADEMIC SESSION****BOARD PROJECT (FINAL)****TOPIC:-**

Make a **pictorial presentation** on movements initiated by Mahatma Gandhi with special reference to Non - Cooperation Movement, Civil Disobedience Movement and Quit India Movement.

Conclusion -: How were these movements significant in instilling nationalistic fervor among Indian masses?

Board Project submission - December (*before Christmas Vacations*)

☐ GEOGRAPHY :**PRETEST EXAMINATIONS**

1. Chapter 4- climate
2. Chapter 5- soil resources
3. Geographical Survey Map
4. Map of India.

FIRST ASSESSMENT

1. chapter 6- Natural Vegetation
2. Chapter 7- water Resources
3. Chapter 8- Mineral & energy Resource.
4. Geographical Survey map
5. Map of India.

REVISION CHAPTERS- CHAPTERS OF PRE TEST.

2ND ASSESSMENT

1. Chapter 9- Agriculture
2. Chapter 11- Transport
4. Geographical Survey Map
5. Map of India.

REVISION CHAPTERS- CHAPTERS OF PRE TEST, FIRST ASSESSMENT.

PERIODICAL

1. Chapter 10- manufacturing Industries
2. Chapter 12- Waste Management
3. *Revision of all chapters.*
4. Geographical Survey Map
5. Map of India

PRE-BOARD**☐ PHYSICAL EDUCATION :**

BOOK 1: ICSE Physical Education, Class X, (Evergreen Publication)

PRE-TEST:

- Ch. 1 (Part A) – Human Growth and Development
Ch. 2 (Part A) – Physical Education
Ch. 3 (Part A) – Body Types.
Ch. 4 (Part A) – Physical Fitness.
Ch. 1 (Part B) – Cricket

1ST ASSESSMENT:

- Ch. 5 (Part A) – Sports Training.
Ch. 6 (Part A) – Safety in Sports.
Ch. 2 (Part B) – Football.

2ND ASSESSMENT:

- Ch. 7 (Part A) – Health Education.
Ch. 8 (Part A) – Career in Physical Education.

PERIODICAL:

Full syllabus of ICSE 2024
Revision of all the completed chapters

PRE-BOARD:

Full syllabus of ICSE 2024
Revision of all the completed chapters

Project: Cricket
: Football

☐ COMPUTER APPLICATIONS :

BOOK :Understanding COMPUTER APPLICATIONS with BlueJ
(AVICHAL PUBLISHING COMPANY)

PRETEST EXAMINATION:

- Ch- 1 – Revision of class IX syllabus
- Ch- 2 – Library Classes
- Ch- 5 - User -defined Methods

1ST ASSESSMENT:

- Ch- 1 ,2,5 (Revision)
- Ch- 3 - Arrays (Single and double dimensional)
- Ch- 6 - Class as the basis of all Computation (Objects and Classes)

PRACTICAL:

- Ch- 1,2,3,5,6

2ND ASSESSMENT:

- Ch – 1,2,3,5,6 (Revision)
- Ch – 4 - String Handling
- Ch - 7 - Constructors
- Ch – 8 - Encapsulation and Inheritance

PRACTICAL:

- Ch – 1 to 8

PERIODICAL :

ENTIRE CLASS - X SYLLABUS
Everything mention in ICSE regulation and Syllabus book of 2025

PRE-BOARD EXAMINATION:

ENTIRE CLASS - X SYLLABUS
Everything mention in ICSE regulation and Syllabus book of 2025.

PRACTICAL:

ENTIRE CLASS - X SYLLABUS
Everything mention in ICSE regulation and Syllabus book of 2025.

☐ ECONOMIC APPLICATION :

PRE-TEST

Demand and Supply: Basic concepts

1ST ASSESSMENT

Factors of production: Basic concepts

Alternative market structures: Basic concepts

(Including all the topics of Pre-Test Examination)

2ND ASSESSMENT

The State and Economic development

(Including all the topics of Pre-Test and 1st Assessment Examination)

Periodical

Money and Banking: Basic concepts

(Including all the topics of Pre-Test, 1st Assessment and 2nd Assessment Examination)

Pre-Board

Full Syllabus

Project topics

1. Inflation: Types, effects and control of inflation.
2. Make a list of products for which you think demand is price inelastic and price elastic. Specify the reasons you may think relevant for your analysis.
3. Take the case of a commercial bank. Analyse the main functions of the bank and the latest trends.
4. Develop a hypothetical table of information for coffee that shows quantity demanded at various prices and supply of coffee at these prices. Draw a demand curve and supply curve and show an equilibrium price at which the market is cleared of its supplies.

☐ ENVIRONMENTAL APPLICATION :

Pretest Examination

Chapter 1: Caring for our soil

Chapter 2: Fuel wood crisis

Assessment 1 Examination

Chapter 3: Waste generation and treatment

Chapter 4: Caring for our air

Chapter 7: Resource use

Revision- Chapter 1,2

Project: As per done in class

ASSESSMENT 2 EXAMINATION

Chapter 5: legislation as a means to reduce air pollution
Chapter 6: Caring for our water
Chapter 8: Evolving sustainable paradigm
Revision- Chapter 1,2,3,4,7
Project: As per done in class

PERIODICAL EXAMINATION

Chapter 9: Eco-friendly Technologies
Chapter 10: Initiatives I can take
Chapter 11: Comparison tables
Revision- Chapter 5,6,8
Project: As per done in class

PRE BOARD EXAMINATION

Entire ICSE syllabus
Project : As per ICSE syllabus

☐ ROBOTICS AND ARTIFICIAL INTELLIGENCE :

Book: ICSE Robotics & Artificial Intelligence for Class X (Subject Code 66)

Goyal Brothers Prakashan

PRETEST EXAMINATION

Part II: Artificial Intelligence
Unit III: Artificial Intelligence
Chapter 9: Decision Making in Machines/Computers
Unit IV: Introduction to Data and Programming with Python
Chapter 13: Lists and Tuples in Python
Chapter 14: Strings in Python

1ST ASSESSMENT EXAMINATION:**Part I : ROBOTICS**

Unit I: Introduction to Robotics
Chapter 1: New Age Robotics Systems
Unit II: Components of Robots as a System
Chapter 3: Introduction to Gears
Chapter 4: Sensors in Robotics
Part II: Artificial Intelligence
Unit IV: Introduction to Data and Programming with Python

Chapter 12: Modules and Packages

Revision chapters: All chapters of Pretest.

EXAMINATION: 2ND ASSESSMENT

Part I: ROBOTICS

Unit I: Introduction to Robotics

Chapter 2: From Robots to Cobots

Unit II: Components of Robots as a System

Chapter 5: Actuators in Robots

Chapter 6: Controllers for a Robotic Systems

Chapter 7: Visualisation, Design and Creation of Components

Part II: Artificial Intelligence

Unit III: Artificial Intelligence

Chapter 11: Components of AI Project Framework

Revision chapters: All chapters of 1st Assessment.

PERIODICAL EXAMINATION:

Part I: ROBOTICS

Unit II: Components of Robots as a System

Chapter 8: Integrating Robots as a System

Part II: Artificial Intelligence

Unit III: Artificial Intelligence

Chapter 10: Machine Intelligence and Cybersecurity in computing

Revision chapters: All chapters of 2nd Assessment.

PRE-BOARD EXAMINATION:

Full Syllabus

☐ YOGA APPLICATION :

PRETEST EXAMINATION

- Nervous System
- Endocrine System
- Personal hygiene through yoga
- Yoga Sutra: 1.2 & 1.14

- Sages of India:
 1. Narshi Mehta
 2. Sri Aurobindo
 3. Swami Vivekananda
- Practical

1ST ASSESSMENT EXAMINATION

- The yoga sutras of Patanjali
- Circulatory system
- Excretory system
- Orthodox philosophies
- Heterodox Philosophies
- Yoga Sutra: 1.33
- Sages of India:
 1. Ved Vyasa
 2. Yognavalkya
- Practical

2ND ASSESSMENT EXAMINATION

- Ramana Maharishi
- Sutras: 2.3 & 2.28
- Contemporary Philosophies
- Practical

PREODICAL EXAMINATION

- All Chapters

Preboards

- All Chapters

☐ SUPW :

HALF YEARLY EXAMINATION

Subsidiary service

1. Toy making.
2. Pottery work.
3. Electrical work.
4. Dress designing.
5. Jute work.

ANNUAL EXAMINATION

Main craft service

6. First aid box.
7. Waste paper basket.
8. Fire painting.

☐ P.T. :

HALF YEARLY EXAMINATION:

- Jumping jack.
- Sit-ups.
- Burpees.
- 50 yards dash.
- Push-ups.
- Shuttle Run (10×4 yards).
- Basketball.
- Kabaddi.
- Plank Jack.
- Mountain climber.
- AAPPHER physical fitness test.
- Football.

☐ MEDITATION :

- Simhasana
- Trikonasana
- Hastottanasana
- Dhanurasana
- Ushtrasana
- Calvicular breathing
- Abdominal breathing
- Thoracic Breathing
- Anulom-vilom
- Bhastrika
- Kapalbhati
- Uddyan
- Meditation

