**RISHI AUROBINDO MEMORIAL ACADEMY**

134 P. K. GUHA ROAD, KOL-28

**ANNUAL SYLLABUS OF 2024-25**

**CLASS IX**

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| **SUBJECT** | **ASSESSMENT I** | **MIDTERM** | **ASSESSMENT II** | **FINAL TERM** |
| **ENGLISH LANGUAGE** | * 1. Verbs(Tense)   2. Prepositions   3. Joining the sentences without and, but so   4. Essay (narrative and argumentative) | Whole syllabus of Assessment I   * 1. Letter Writing (formal & informal)   2. Email   3. Notice   4. Do as directed   5. Comprehension   6. Essay (Descriptive, picture composition, story-writing)   Project: Email & Notice | * 1. **Email**   2. **Notice**   3. **Do as directed**   4. **Verbs**   5. **Prepositions** | Whole syllabus of Assessment II   * 1. Essays (all type)   2. Letter (formal, informal)   3. Comprehension   4. Join the sentences without using and, but, so   Project: Argumentative essay |
| **ENGLISH LITERATURE** | 1. BonkuBabu's Friend – Satyajit Ray (prose) 2. Doctor’s Journal Entry for August 6, 1945 Vikram Seth (poetry) 3. The Night Mail – W.H. Auden (poetry)   Julius Caesar : Act 1 (complete) | Whole syllabus of Assessment I   1. Home-coming – Rabindranath Tagore (prose) 2. A Work of Artifice – Marge Piercy (poetry)   **Project - Thematic analysis of the poem A Work of Artifice – Marge Piercy (poetry) and imply it’s social relevance.** | * 1. Remember, I Remember – Thomas Hood (poetry)   2. Oliver Asks for More – Charles Dickens (prose)   3. The Boy who Broke the Bank – Ruskin Bond (prose)   Julius Caesar : Act 2 (complete) | **[Whole syllabus of Class IX]**   * 1. The Model Millionaire – Oscar Wilde (prose)   2. Skimbleshanks: The Railway Cat – T.S. Eliot (poetry)   **Project: Comparison between Brutus and Caesar depicting their flawed characteristics with reference to William Shakespeare’s play Julius Caesar** |
| **EVS** | Ch-1 Understanding our environment  Ch-2 Living things in ecosystem  Ch-3 How ecosystems works | Ch- 1,2,3 +  Ch- 4 Kinds of Ecosystem  Ch-5 Water  Ch-6 Air  **PROJECT: AIR** | Ch-7 Atmosphere and climate  Ch-8 Soil and land  Ch-9 People | Ch- 5,6,7,8,9 +  Ch-10 Urbanization  Ch-11 Agriculture  **Project: land pollution** |
| **GEOGRAPHY** | **Our World:**   1. Geographical Grid (Practical) 2. Rotation and Revolution (Demonstration)   **Structure of the Earth:**   1. Earth’s structure (Demonstration)   **Pollution:**   1. Types of pollution 2. Sources of pollution 3. Effects of pollution and preventive measures   **Map work:**   1. The oceans, seas, gulf and strait – all | Whole syllabus of Revisional Assessment I   1. Rocks 2. Volcanoes (Demonstration) 3. Earthquakes (Demonstration) 4. Weathering and denudation   **Project: Weather records: Maintaining and interpreting weather records as found in the newspaper** for at least one season.  **Map work:**   1. Rivers 2. Mountains 3. Plateaus | **Hydrosphere:**   1. Tides (Demonstration)   **Atmosphere:**   1. Composition and structure (Demonstration) 2. Atmospheric pressure and Wind (Demonstration) 3. Humidity and Precipitation (Demonstration)   **Map work:**   1. The oceans, seas, gulf and strait – all 2. Rivers 3. Mountains 4. Plateaus | Whole syllabus of Revisional Assessment I & II  **Naturals Region of the World:**   1. Equatorial region 2. Tropical grassland 3. Tropical Desert 4. Tropical monsoon 5. Mediterranean 6. Temperate grassland 7. Taiga 8. Tundra   **Practical:**   1. **Uses of important types of maps** 2. **Reading and using statement of scale, graphic scale and scale shown by representative fraction method. (*No drawing work*)**   **Map work: (all)**   1. The natural regions – all |
| **COMPUTER APPLICATIONS** | 1. Introduction to object oriented programming concepts.  (i) Principles of object oriented programming.(Days 4)  (ii) Introduction to JAVA(Days 6)  (iii) Practical: Programs using Assignment statements.  Example: Calculation of Area/ Volume/Conversion of temperature/ Swapping of values etc.(Days 10)  2. Elementary concept of objects and classes.(Days 4)  Practical: Programs based on-Input through Scanner class.  Example: Implementation of standard formula etc. | Syllabus of Assessment 1(Days 7)  3. Values and data types(Days 5)  4. Operators in Java (Days 5)  5. Input in Java. (Days 5)  **Practical:(i)Programs based on Mathematical methods,(ii) Programs based on if, if else, if else if ladder, nested if etc.(Days 14)**  **Project -** Programs based on if, if else, if else if ladder, nested if. | 6.Mathematical Library Method(Day 8)  7. Conditional constructs in Java(Days 7)  8. Iterative constructs in Java(Days 3) | 9. Nested for loop(Days 4)  10. Computing and Ethics (Days 4)  11. Syllabus of Assessment 1,Mid Term and Assessment 2( Days 30)  **Practical: (i)Programs on switch case,(ii)Programs based on Looping statement,(iii) Programs based on nested loops,(iv)Generate first n multiples of numbers from 1 to the limit input by the user.(v) Menu driven programs.(Days 10)**  **Programs -** Generate first n multiples of numbers from 1 to the limit input by the user. |
| **BENGALI** | গল্প -গিন্নি, লালু  কবিতা -বঙ্গভূমিরপ্রতি  চাঁদেরপাহাড়– প্রথমঅধ্যায়  ব্যাকরণ - শুদ্ধওঅশুদ্ধবানান ,সাধুচলিত | Whole syllabus of Assessment I  গল্প - বামা  কবিতা - সভ্যতারপ্রতি  চাঁদেরপাহাড় -দ্বিতীয়, তৃতীয়ওচতুর্থঅধ্যায়  ব্যাকরণ - শুদ্ধওঅশুদ্ধবানান, সাধুচলিত, বাগধারা, বাক্যপরিবর্তন, বাচ্যপরিবর্তন , এককথায়প্রকাশ, চিত্রপর্যবেক্ষণ‚ পত্রলিখন, প্রবন্ধরচনা  **প্রকল্প** - ১।চিত্রপর্যবেক্ষণ২। ‘গিন্নি’ গল্পেরবীন্দ্রনাথঠাকুরআশুচরিত্রটিরমধ্যেযেভাবেশিশুমনস্তাত্ত্বিকদিকটিফুটিয়েতুলেছেন- তাগিন্নিগল্পঅবলম্বনেআলোচনাকরো। | গল্প – ক্যানভাসার  কবিতা - আবারআসিবফিরে, সিঁড়ি  চাঁদেরপাহাড়-পঞ্চমঅধ্যায়  ব্যাকরণ-এককথায়প্রকাশ , উক্তিপরিবর্তন | Whole syllabus of Assessment I & II  গল্প - নাম  কবিতা - কুলিমজুর  চাঁদেরপাহাড় - ৫থেকে৭  ব্যাকরণ - প্রবন্ধরচনা, বোধপরীক্ষণ, পত্রলিখন  এককথায়প্রকাশ, উক্তিপরিবর্তন, একইশব্দেরভিন্নঅর্থেব্যবহার, সমার্থকশব্দ  প্রকল্প - ১।চিঠি  ২।কবিসুকান্তভট্টাচার্য ‘সিঁড়ি’ কবিতায়যেসমাজেরপীড়িতমানুষেরপ্রতিবাদকেইতুলে ধরেছেনতা ‘সিঁড়িকবিতাঅবলম্বনে আলোচনা করো। |
| **HINDI** | गद्य:-   1. बातअठन्नीकी 2. काकी   पद्य:-   1. साखी   नयारास्ता:-  १-६  व्याकरण:-  ०व्याकरण  ०संज्ञा  ०लिंग  ०भाववाचकसंज्ञाएँ | गद्य:-   1. महायज्ञकापुरस्कार   पद्य:-   1. गिरिधरकीकुंडलियाँ 2. स्वर्गबनासकतेहैं   Full syllabus of revisional assessment.  परियोजना-  कबीरदासकीजीवनीलिखतेहुएउनकीसमाजसुधारकभावनाकेबारेमेंलिखिए।  ०व्याकरण  ०निबंध  ०पत्रलेखन  ०अपठितगद्यांश  ०मुहावरे, सामान्यअशुद्धि, पर्यायवाचीशब्द, तत्सम- तद्भव, विपरीतार्थक, अनेकार्थी ,एकार्थी | गद्य:-   1. नेताजीकाचश्मा 2. अपनाअपनाभाग्य   पद्य:-   1. वहजन्मभूमिमेरी 2. मेघआए   नयारास्ता:-  ७-१५  व्याकरण:-   1. वचन 2. कारक 3. सर्वनाम 4. विरामचिह्न | Full syllabus of revisional assessment -2  परियोजना:-  गिरिधरकविरायकीजीवनीलिखतेहुएउनकीकुंडलियोंकेबारेमेंचर्चाकरें। |
| **HISTORY** | 1. Our Constitution  2. Fundamental Rights, Fundamental Duties and Directive Principles of State policy.  3. Election and Election commission.  4. Harappan civilization.  5. Early Vedic civilization.  6. The later Vedic Age.  7. The Sangam Age: Kingdoms and the social and Economic conditions  8. The Age of Guptas.  9. South India and the Cholas. | 1. Our Constitution  2. Fundamental Rights, Fundamental Duties and Directive Principles of State policy.  3. Election and Election commission.  4. Harappan civilization.  5. Early Vedic civilization.  6. The later Vedic Age.  7. The Sangam Age: Kingdoms and the social and Economic conditions  8. The Age of Guptas.  9. South India and the Cholas.  10. India in the 6th century B.C: Rise of Jainism and Buddhism.  11. The Mughal Empire.  **PROJECT**  Harappan Civilization  Illustrate main sources and features of Harappan Civilization. | 1. The Mauryan Empire.  2. The Delhi Sultanate.  3. Industrial Revolution and Capitalism and Socialism.  4. Local Self Government: Rural Local Institution  5. Local Self Government: Urban Local Institutions | 1. The Mauryan Empire.  2. The Delhi Sultanate.  3. Industrial Revolution and Capitalism and Socialism.  4. Local Self Government: Rural Local Institution  5. Local Self Government: Urban Local Institutions  6. The Composite Culture: Bhakti movement, Sufism and influence of Christisnity on Indian society.  7. The Renaissance  8. The Reformation.  **PROJECT**  Local Self Government (Urban and Rural) |
| **MATHEMATICS** | 1. Rational and Irrational Numbers 2. Compound Interest 3. Mensuration 4. Expansions 5. Factorizations 6. Indices 7. Quadratic Equations 8. Circles | Whole syllabus of Assessment I  +   1. Triangles 2. Simultaneous Linear Equations 3. Problems on Simultaneous Linear Equations   **Project: Cutting a circle into the equal sections of a small central angle to find the area by using the suitable formula** | 1. Mid point Theorems 2. Rectilinear Figures 3. Logarithms 4. Pythagoras’ Theorem 5. Trigonometric Ratios 6. Standard Angles 7. Co-ordinate Geometry 8. Theorems on Area | Whole syllabus of Assessment II  +   1. Statistics 2. Mensuration 3. Expansions 4. Factorizations 5. Indices 6. Circles   **Project : Conducting a survey of a group of students and represent it graphically –**  **Height, Weight, Number of family members, Pocket money etc.** |
| **CHEMISTRY** | **1.** CH1- Language of chemistry  2.CH2-Chemical changes and reactions  3.CH4- Atomic structure (excluding Chemical bonding)  **Lab manual**  1**.** Recognition and Identification of gases : Hydrogen, Carbon dioxide, Nitrogen dioxide, Hydrogen chloride, Hydrogen sulphide, Ammonia | Whole syllabus of Assessment I  4. CH4- Atomic structure and chemical bonding  5. CH3- Water  6. CH5- Periodic table  **Lab manual**  2. Action of heat on a given chemical compound | 7. CH1- Language of chemistry  8. CH7- Study of Gas laws  9. CH6- Hydrogen  **Lab manual**  3. Action of dilute sulphuric acid on a given substance | 10. CH8- Atmospheric pollution  + Full syllabus as prescribed by ICSE  **Lab manual**  4. Identification of metallic ions in a given substance by flame test |
| **BIOLOGY** | 1. Introducing Biology  2. Cell: The Unit of Life  3. Tissues: Plant and Animal  Tissues  4. The Flower (Practical class)  5. Pollination and Fertilization  6. Seeds - Structure and  Germination (Practical class) | Assessment I +  7. Respiration in plants  8. Five kingdom classification  9. Economic Importance of  Bacteria and Fungi  **Practical:** Lab Manual | 10. Nutrition  11. Digestive System  12. Skeleton- Movement and (practical class)  Locomotion  13. Skin- "The Jack of All  Trades"  14. The Respiratory System  15. Hygiene- [ A Key to  Healthy Life] | 1. Cell  2. Tissues  3. Pollination and Fertilization  4. Seeds  5. Respiration in Plants  6. Five Kingdom classification  7. The Digestive system  8. Skeleton  9. Skin  10. The respiratory system  11. Aids to health  Practical:**Lab Manual** |
| **PHYSICS** | 1.Measurements 2. Motion in one dimension 3. Laws of motion  **Lab Manual**  1. Determine the least count of the Vernier calipers and measure the length and diameter of a small cylinder. 2. Determine the pitch and least count of the given screw gauge and measure the mean radius of the given wire. 3. Measure the length, breadth and thickness of a  glass block using a meter rule, Calculate the volume of the block in cm3and m3. | Whole Syllabus of Assessment I + 4. Pressure in fluids 5. Upthrust in Fluid   **Lab Manual**  4. Determine the mass of  the block using any convenient balance. Calculate the density of glass. 5. Measure the volume of a metal bob from the readings of water level in a measuring cylinder using displacement method. Also calculate the same volume from the radius measured using Vernier callipers. 6. Obtain the time taken for 20 oscillations of a simple pendulum of different lengths. Calculate the time period. | 6. Heat and Energy 7. Light 8. Sound   **Lab Manual**  7.Using a plane mirror strip mounted vertically on a  board, obtain the reflected rays for three rays incident at different angles. Measure the angles of incidence and angles of reflection. Proof laws of reflection. 8. Obtain the focal length of a concave mirror by distant object method, focusing its real image on a screen or wall. | 9. Electricity and Magnetism + Full syllabus as prescribed by ICSE |
| **ECONOMICS** | * 1. Introduction to economics   2. Basic economic entities in an economy   3. Basic concepts of economics   4. Types of economies   5. Basic problems of an economy | * 1. Primary sector   2. Secondary sector   3. Including   Full assessment 1 syllabus  **Project : types of economies** | 1. Tertiary sector 2. Poverty 3. Problems of unemployment in India | 1. LPG model 2. Emerging trends in the Indian economy   Whole syllabus  **PROJECT: THREE SECTORS of ECONOMY** |
| **CST** | 1. Commercial and non commercial activities 2. Business Activities 3. Profit and non profit organization 4. Classification of commercial organization 5. Sole proprietorship and HUF 6. Partnership 7. Joint stock company 8. Basic accounting principles and concept | * 1. Journal, ledger, trial balance   2. Including syllabus of unit 1   **PROJECT: PROFIT AND NON PROFIT ORGANIZATION** | 1. Cooperative society 2. Public sector enterprise 3. Marketing and sales 4. Human resources 5. Production 6. Purchasing and stores 7. Communication in commercial organization 8. Different methods of communication | 1. Single column cash book 2. Banking 3. Social responsibility 4. Meaning, objective and terminology of accounting 5. General Administration, legal compliance and management information system departments 6. Whole syllabus   **PROJECT : PREPARATION OF JOURNAL, LEDGER AND TRIAL BALANCE OF A SOLE TRADER FROM ANY 10 TRANSACTIONS** |
| **FRENCH** | **Mon Passeport (Level 4) –**  **Mid Term**  **Unité3 :- Ma mère: Une Superwoman**  **\*L'adjectif “Tout”**  **\*Les adverbes** | Unité4 :- On Fait Une Grasse Matinée  \*Les expressions négatives | **Final Term**  **Unité5 :- Qu’est-ceQueTu As Fait Le Week-end?**  **\*Le passé composé avec <<avoir>>** | Continuation...  Unité5 :- Qu’est-ceQueTu As Fait Le Week-end?  \*Le passé composé avec <<avoir>> |