**RISHI AUROBINDO MEMORIAL ACADEMY**

134 P. K. GUHA ROAD, KOL-28

**ANNUAL SYLLABUS OF 2024-25**

**CLASS X**

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| **SUBJECT** | **ASSESSMENT I** | **PRE TEST** | **ASSESSMENT II** | **MOCK TEST** |
| **ENGLISH LANGUAGE** | * 1. Essay (argumentative, narrative, descriptive)   2. Prepositions   3. Tense   4. Email   5. Notice   6. Joining the sentences without and, but , so | Whole syllabus of Assessment I   * 1. Essay (story-writing and picture composition)   [Demonstration- picture composition]   * 1. Transformation of sentences   2. Letter (informal and formal)   3. Comprehension   Project: Argumentative essay | 1. Email 2. Notice 3. Transformation of sentences (Do as directed) 4. Letter (formal and informal) 5. Prepositions 6. Tense 7. Essay (all types)   **[Demonstration- picture composition]** | Whole syllabus of Assessment II   1. Comprehension 2. Joining the sentences without using and, but, so   Project: Story-writing |
| **ENGLISH LITERATURE** | 1. Haunted House - HW Longfellow (poem) 2. The Glove and the Lions- Leigh Hunt (poem) 3. With the Photographer- Stephen Leacock (prose)   **Julius Caesar - Act III Scene I +II** | Whole syllabus of Assessment I   1. The Elevator – William Sleator (prose) 2. The Girl Who Can – Ama Ata Aidoo (prose) 3. The Pedestrian – Ray Bradbury (prose)   **Julius Caesar - Act III + Act IV Scene I**  **Project – Draw upacomparison between the character from The Girl Who Can and another noteworthy character from Aidoo’s works which consists similar portrayal.** | 1. When Great Trees fall- Maya Angelou (poem) 2. A Considerable Speck – Robert Frost (poem)   **Julius Caesar - Act IV+ Act V Scene I** | [Whole syllabus of X ]   1. The Last Lesson – Alphonse Daudet (prose) 2. The Power of Music - Sukumar Ray (poem)   **Julius Caesar - Act III+ IV+ Act V**  **Project–Fate vs. free will in the play Julius Caesar.** |
| **GEOGRAPHY** | 1. Climate of India 2. Soil Resources   **Map of India:**   1. Mountains, Peaks and Plateaus 2. Plains 3. Desert 4. Rivers | Whole syllabus of Assessment   1. Natural Vegetation 2. Water Resources 3. Mineral and Energy Resources   **Map of India:**   1. Water Bodies 2. Passes 3. Latitudes and Longitudes 4. Direction of winds   **Project:** Environment: Wildlife conservation efforts in India with special refrence to Kaziranga or Sunderban. | 1. Agriculture 2. Manufacturing of Industries 3. Transport 4. Waste Management   **Map of India:**   1. Distribution of minerals 2. Soil distribution 3. Cities 4. Population   **Practical:**  Interpretation of Topographical Map | **FULL SYLLABUS**  **(As per CISCE recommendation)** |
| **EVS** | Ch-1 Controlling Air Pollution  Ch-2. Addressing population  Ch-3 Managing the urban environment | Ch- 1,2,3 +  Ch- 4 Managing soil and land  Ch-5 Food  Ch-6 Biodiversity  Ch-7 Energy  PROJECT: Biodiversity | Ch-8 Waste  Ch-9 Environment and Development  Ch-10 Towards a Sustainable Future. | Full syllabus |
| **COMPUTER APPLICATIONS** | 1. Revision of Class IX Syllabus.(Days 4)  2. Class as the Basic of all Computation.(Days 3)  3. User –defined Methods.(Days 6)  4. Constructors.(Days 7)  5. Library classes.(Days 5)  Practical:(i)User defined methods,(ii) Constructors.(Days 4) | Encapsulation(Days 5)  7. Arrays( Days 5)  8. Practical program  (i) User defined methods  (ii)Constructors  (iii) Library classes  (iv) Encapsulation  (v) Arrays  (vi)String handling(Days 15)  Practical:(i) Library classes,(ii)Encapsulation,(iii)Arrays(Days 15) | 8. String handling(Days 5)  Practical:(i)String handling(Days 5)  9. Syllabus of Assessment 1, PRE-TEST and Assessment 2(Days 18) | Full syllabus Project and Practical. |
| **BENGALI** | Assessment I  গল্প– অসহযোগী ,  কবিতা - রবীন্দ্রনাথের প্রতি , বাবু বলেন  চাঁদের পাহাড় –৬, ৭, ৮  ব্যাকরণ - সাধু চলিত , শুদ্ধ ও অশুদ্ধ বানান , বাগধারা , ধ্বন্যাত্মক শব্দ, পত্রলিখন , চিত্র পর্যবেক্ষণ , প্রবন্ধ রচনা , বোধ পরীক্ষণ | গল্প - নীল মানুষের কাহিনী , দেবতার জন্ম  কবিতা - ফুল ফুটুক না ফুটুক , অমলকান্তি  চাঁদের পাহাড় – ৯ ,১০ , ১১  ব্যাকরণ – এক কথায় প্রকাশ , বাক্য পরিবর্তন, বাচ্য পরিবর্তন , প্রবন্ধরচনা, পত্রলিখম , বোধ পরীক্ষণ  AND  ASSESSMENT l SYLLABUS  PROJECT: মানিক বন্দ্যোপাধ্যায়ের ‘অসহযোগী’ গল্পের নামকরণ কতোটা সার্থক হয়েছে তা গল্প অবলম্বনে আলোচনা করো। | Assessment II  গল্প - গন্ধটা খুব সন্দেহজনক , লোকটি কবিতা - খোখো  চাঁদের পাহাড় -১২ ১৩ , ১৪  ব্যাকারন - উক্তি পরিবর্তন , বাক্য পরিবর্তন, বাচ্য পরিবর্তন , বাগধারা - প্রবাদ প্রবচন , একই শব্দের ভিন্ন অর্থে ব্যবহার , প্রবন্ধ রচনা , পত্রলিখন, বোধ পরীক্ষণ।  প্রকল্প: পত্রলিখন | **MOCK TEST**  **IX & X Full Syllabus**  **PROJECT: পত্রলিখন** |
| **HINDI** | गद्य:-   1. बड़े घर की बेटी 2. संदेह   पद्य:-   1. सूर के पद 2. विनय के पद   नया रास्ता  १६-२०  व्याकरण:-  •विशेषण  •क्रिया  •क्रियाविशेषण  •उपसर्ग | गद्य:-   1. भिक्षुक   पद्य:-   1. भीड़ में खोया आदमी   Full syllabus of revisional assessment.  परियोजना :-  भक्ति आंदोलन के संदर्भ में सूर काव्य का क्या योगदान रहा , विस्तृत रूप में लिखिए ।  ० निबंध  ०पत्र लेखन  ०अपठित गद्यांश  ० मुहावरे, सामान्य अशुद्धि, पर्यायवाची शब्द, तत्सम- तद्भव, विपरीतार्थक, अनेकार्थी , एकार्थी। | गद्य:-   1. भेड़े और भेड़िए 2. दो कलाकार   पद्य:-   1. चलना हमारा काम है 2. मातृ मंदिर की ओर   नया रास्ता :-  २१-२६  व्याकरण:-  प्रत्यय,वाच्य परिवर्तन,काल  ,वाक्य के अंग व संरचना  ० मुहावरे, सामान्य अशुद्धि, पर्यायवाची शब्द, तत्सम- तद्भव, विपरीतार्थक, अनेकार्थी , एकार्थी | Full syllabus of ICSE.  परियोजना:-  धार्मिक रूढ़ियो के प्रति कबीर का विद्रोह और उसकी संभावनाओं पर अपना विचार प्रस्तुत करें। |
| **HISTORY & CIVICS** | 1.The Union Parliament  2. The Union Executive --- The President and the Vice President.  3. The First War of Independence ( 1857).  4. Factors leading to the Growth of Nationalism.  5. Objectives and Methods of Struggle of the Early Nationalists.  6. The First World War | 1. The Union Executive : The Prime Minister , The Union Cabinet and the Council of Ministers.  2. Second Phase of the Indian National Movement: Partition of Bengal and other Developments.  3. Muslim League and its Objectives.  4. National Movement during the First World War: Lucknow Pact and other Developments. | 1. The Union Judiciary : The Supreme Court.  2. The State Judiciary : The High Courts.  3. National Movement : 1919 – 1934  4. The Cripps Mission and the Quit India movement  5. Subhas Chandra Bose, Forward Bloc and the Indian National Army ( INA)  6. The Second World War  7. United Nations Organisation : origin , Objectives and the principal Organ.  8. Major Agencies of the United Nations.  9. The Non – ailigned Movement | MOCK TEST:  1. The Subordinate Courts.  2. Independence and Partition of India.  3. Rise of Dictatorship : Fascism in Italy and Nazism in Germany.  PROJEC T  PROJECT : Life Sketch of Dr. APJ Abdul Kalam. |
| **MATHEMATICS** | 1. Goods and Service Tax 2. Banking 3. Linear Inequalities 4. Quadratic Equations 5. Reflection 6. Measures of Central Tendency 7. Trigonometric Identities | **Whole syllabus of**  **Assessment I**  **+**   1. Shares and Dividends 2. Trigonometrical Tables 3. Factorizations 4. Probability 5. Ratio and Proportion 6. Section Formula 7. Similarity   **Project:** Planning a New Budget | 1. Matrices 2. AP and GP 3. Circles 4. Height and Distances 5. Equation of Straight Lines 6. Locus | **FULL SYLLABUS OF ICSE**  **Project:** Survey of Various Bank Accounts |
| **CHEMISTRY** | 1.CH1-Periodic properties and variations of properties physical and chemical  2.CH2-Chemical bonding  3.CH3-Study of acids, bases and salts  4.CH4- Analytical chemistry | Whole syllabus of Assessment I  1. CH5-Mole concept and  stoichiometry  2. CH8-Study of compounds: Ammonia, Hydrogen chloride  3. CH9- Organic Chemistry  **Practical**:  **Lab manual**  1. Recognition and identification of gases : Hydrogen, Oxygen, carbon dioxide, hydrogen chloride,  Nitrogen dioxide, hydrogen sulphide, ammonia | CH6-Electrolysis  2. CH7- Metallurgy  3. CH8-Study of compounds:  Nitric acid, Sulphuric acid | Full ICSE syllabus  **Practical**: **Lab manual**  2. Recognition and identification of ions/radicals:  Calcium, copper, Iron, lead, zinc, ammonium. Carbonate, chloride, sulphide, sulphate. |
| **BIOLOGY** | Ch1.Cell  Ch2.Structure of Chromosomes,  Cell Cycle and Cell Division  Ch3.Genetics  Ch4.Absorption by Roots  Ch5.Transpiration  Ch6.Photosynthesis | Whole syllabus of Assessment I and  Ch7.Chemical Coordination inPlants  Ch8.The Circulatory System  Ch9.The Excretory System  Ch10.The Nervous System  Lab Manual  [1. Observation of permanent slides of stages of mitosis.  2. To study the structure of  urinary system of human.  3.To study the structure of  human heart.  4. To study the structure of  human kidney (Internal  structure).  5. To study the structure of  human brain ] | Ch11.Sense Organs  Ch12.The Endocrine System  Ch13. The Reproductive  System  Ch14.Human Evolution  Ch15.Population  Ch16.Pollution | **Full Syllabus of ICSE**  Lab Manual [ 6. To study the  structure of human ear.  7. To study the structure of  human eye.  8.To demonstrate the  phenomenon of “diffusion”  9. Identification of selected  Endocrine Gland.  10. To demonstrate the  phenomenon of Transpiration by  bell jar method |
| **PHYSICS** | 1. Force  2. Work, Energy and Power  3. Machine  4. Refraction of light at Plane surface  **LAB MANNUAL**  1. Determine the mass of a meter rule using a spring balance or by balancing it on a knife edge at some point away from the middle and 50 g weight on other side.  2. Determine the VR and MA of a given pulley system.  3.Trace the course of different rays of light refracting through a rectangular glass slab at different angles of incidence, measure the angles of incidence, refraction and emergence. Also measure the lateral displacement. | Whole Syllabus of Assessment I +  5. Refraction through lens  6. Spectrum  7. Sound  **LAB MANNUAL**  4. Focal length of convex lens by distant object method and (b) using a needle and a plane mirror.  5. Determine the focal length of a convex lens by  using two pins and formula f = uv/(u+v).  6. For a triangular prism, trace the course of rays  passing through it, measure angles i1, i2, A and  δ.Repeat for four different angles of incidence. | 8. Current Electricity  9. Household Circuits  10. Electro- magnetism  11. Calorimetry  **LAB MANNUAL**  7. Calculate the specific heat capacity of the material of the given calorimeter, from the temperature readings and masses of cold water, warm water and its mixture taken in the calorimeter.  8. Using as simple electric circuit, verify Ohm’s law. Draw a graph, and obtain the slope.  9. Determination of specific heat capacity of a metal  by method of mixtures.  10. Determination of specific latent heat of ice. | 12. Radioactivity  Full syllabus as prescribed by ISC |
| **ECONOMICS** | 1. The productive mechanism 2. Theory of demand | 1. Theory of supply 2. Market   Including syllabus of assessment 1  **PROJECT: MARKET** | 1. Inflation 2. Banking | 1. Consumer awareness   Full syllabus  **PROJECT: BANKING** |
| **CST** | 1. Stakeholders 2. Marketing and sales 3. Advertising and sales promotion 4. Consumer protection | 1. Capital and revenue expenditure 2. Concept of cost 3. Budgeting 4. Sources of finance   Including syllabus of Assessment 1  **PROJECT: SOURCES OF FINANCE** | 1. E-commerce 2. Final accounts 3. Recruitment, selection and training 4. Logistics and insurance | 1. Industrial relation and Trade union 2. Environment Protection.   Whole syllabus  **PROJECT: FINAL ACCOUNTS WITH 20 ITEMS IN TRIAL BALANCE AND CLOSING STOCK IN ADJUSTMENT** |
| **FRENCH** | Mon Passeport (Level 4) –  Mid Term Unité 3 :- Ma mère: Une Superwoman  \*L'adjectif “Tout”  \*Les adverbes  Unité 4 :- On Fait Une Grasse Matinée  \*Les expressions  négatives | Unité5:-Qu’est-ceQueTuAsFaitLeWeek-end?  \*Lepassécomposéavec<<avoir>> |  |  |