

# RISHI AUROBINDO MEMORIAL ACADEMY

134, P. K. GUHA ROAD, AIRPORT GATE NO. 1 KOLKATA-28

## ANNUAL SYLLABUS OF 2022-23

### CLASS IX

TIME DURATION	1 <sup>ST</sup> WEEK OF APRIL – 2 <sup>ND</sup> WEEK OF JUNE	1 <sup>ST</sup> WEEK OF JULY – 2 <sup>ND</sup> WEEK OF AUGUST	3 <sup>RD</sup> WEEK OF AUGUST – 1 <sup>ST</sup> WEEK OF SEPTEMBER	2 <sup>ND</sup> WEEK OF OCTOBER – 4 <sup>TH</sup> WEEK OF NOVEMBER	2 <sup>ND</sup> WEEK OF DECEMBER – 4 <sup>TH</sup> WEEK OF JANUARY	ONLY 2 <sup>ND</sup> WEEK OF FEBRUARY		
SUBJECTS	UNIT I	UNIT II	PROJECT	MID TERM	UNIT III	UNIT IV	PROJECT	FINAL TERM
ENGLISH LANGUAGE	<ol style="list-style-type: none"> <li>Tenses</li> <li>Letter (formal and informal letter)</li> <li>Transformation of sentences ( simple, compound, complex)</li> <li>Preposition</li> </ol>	<ol style="list-style-type: none"> <li>Email</li> <li>Notice writing</li> <li>Preposition</li> </ol>	Story writing from a given picture	UT 1 + UT 2	<ol style="list-style-type: none"> <li>Narration</li> <li>Joining the sentences without 'and', 'but' or 'so'</li> <li>Voice</li> </ol>	<ol style="list-style-type: none"> <li>Comprehension</li> <li>Tense</li> <li>Grammar</li> </ol>	Essay and its types. Argumentative essay Topic-Women are less privileged sections of the society. Give your views for or against the statement.	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>
ENGLISH LITERATURE	<ol style="list-style-type: none"> <li>The Heart of the tree</li> <li>Old man at the Bridge</li> <li>A Horse and two Goats</li> </ol> <p><b>Drama: The Merchant of Venice</b> Act I, Scenes 1 &amp; 2</p>	<ol style="list-style-type: none"> <li>The Cold within</li> <li>After Blenheim</li> <li>Chief Seattle's speech</li> </ol> <p><b>Drama: The Merchant of Venice</b> Act I, Scene 3 Act II, Scene 1 Act II, Scene 2</p>	Justify the title of the short story, 'A horse and two goats '. Paste pictures of the author and the story.	UT 1 + UT 2	<ol style="list-style-type: none"> <li>The Bangle sellers</li> <li>A face in the Dark</li> <li>Hearts and hands</li> </ol> <p><b>Drama: The Merchant of Venice</b> Act II, Scene 3 Act II, Scene 4 Act II, Scene 5 Act II, Scene 6 Act II, Scene 7 Act II, Scene 8</p>	<ol style="list-style-type: none"> <li>Television</li> <li>Daffodils</li> <li>An angel in disguise</li> </ol> <p><b>Drama: The Merchant of Venice</b> Act II, Scene 9 Act III, Scene 1</p>	Write a critical appreciation of the poem 'television '. Paste pictures of the television and the poet.	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b> <b>Drama: The Merchant of Venice</b> Act I, Scenes 1, 2 & 3 Act II, Scenes 1 to 9 Act III, Scene 1 only.

<b>HINDI</b>	Literature 1) बात अठन्नीकी 2)काकी 3) साखी 4)गिरधर की कुंडलियां नया रास्ताभाग 1 to4 व्याकरण 1) पत्रलेखन 2) विलोम शब्द 3)पर्यायवाची 4) निबंध	Literature 1) महायज्ञ का पुरस्कार 2) स्वर्ग बना सकतेहैं नया रास्ता-5-7 व्याकरण अपठित गद्यांश, संज्ञा ,विशेषण	1)विद्यार्थीजीवनमेंअनुशासन का महत्व 2) बात अठन्नी की कहान सारांश, शीर्षक की सार्थकता ,कहानी का उद्देश्य, लेखक का जीवन परिचय	UT 1 + UT 2	Literature 1) नेताजी का वधमा 2) वह जन्म भूमि मेरी नया रास्ता -8-10 व्याकरण मुहावरा ,वाक्य, वाच्य, लिंग	Literature 1) अपना अपना भाव्य 2) मेघआए नया रास्ता -11-13 व्याकरण चित्र लेखन निबंध पत्र अपठित गद्यांश मुहावरे	आज का जागरूक भारत नेताजी का वधमा पाठ का सारांश ,कहानी का उद्देश्य ,शिक्षक की सार्थकता	<b>FINAL TERM SYLLABUS WILL BE DECLEARERD LATER ON AS 2020-21 SESSION</b>
<b>BENGALI</b>	1. সংকলিতা – i) গিল্লি ii) লালু iii) বঙ্গভূমির প্রতি 2. চাঁদের পাহাড়- প্রথম ও দ্বিতীয় 3. ব্যাকরণ - সাধু ভাষা ও চলিত ভাষা, ধনাত্মক শব্দ, বাচ্যপরিবর্তন , চিঠি , প্রবন্ধ	1. সংকলিতা– i) কুলি মজুর ii) বামা iii) সভ্যতার প্রতি 2. চাঁদের পাহাড়- তৃতীয়- চতুর্থ 3. ব্যাকরণ - বাক্য বিশ্লেষণ, বাক্যের অর্থ মূলকপ্রভেদ, একই শব্দের ভিন্ন অর্থে ব্যবহার, বোধ-পরীক্ষণ।	i) ব্যক্তিগত চিঠি ii) সভ্যতার প্রতি কবিতা অবলম্বনে অরণ্য সভ্যতা ও নগর সভ্যতার তুলনা	UT 1 + UT 2	1. সংকলিতা- আবার আসিব ফিরে , ক্যানভাসার 2. চাঁদেরপাহাড়- পঞ্চম ও ষষ্ঠ ব্যাকরণ- চিত্র পর্যবেক্ষণ , উক্তি পরিবর্তন , এক কথায় প্রকাশ	1. সংকলিতা- নাম , সিঁড়ি, বঙ্গভূমির প্রতি 2. চাঁদেরপাহাড় - সপ্তম 3. ব্যাকরণ – চিঠি , বোধ পরীক্ষণ , প্রবন্ধ , প্রবাদ-প্রবচন, বাগধারা	i) চিত্র পর্যবেক্ষণ ii) কুলি মজুর কবিতার সারাংশ বাস্তবচিত্র	<b>FINAL TERM SYLLABUS WILL BE DECLEARERD LATER ON AS 2020-21 SESSION</b>
<b>EVS</b>	Chapter – 1 Understanding our Environment Chapter – 2 Living Things in Eco System Chapter – 3 How Ecosystem works? Chapter – 4 Kind of Eco System	Chapter - 5 Water Chapter – 6 Air	Ecosystem	UT 1 + UT 2	Chapter – 7 Atmosphere & Climate Chapter – 8 Soil & Land Chapter – 9 People	Chapter – 10 Urbanization Chapter – 11 Agriculture Final Exam- Unit III+ Unit IV	Ecosystem	<b>FINAL TERM SYLLABUS WILL BE DECLEARERD LATER ON AS 2020-21 SESSION</b>
<b>COMPUTER</b>	1. Introduction to Object Oriented Programming concepts 2. Elementary Concept of Objects and Classes 3. Values and data types	1. Operators in Java 2. Input in Java	Introduction to Object Oriented Programming concepts	UT 1 + UT 2	1. Mathematical Library Methods 2. Conditional constructs in Java 3. Iterative constructs in Java	1. Nested for loops 2. Computing and Ethics	10 Java Programs.	<b>FINAL TERM SYLLABUS WILL BE DECLEARERD LATER ON AS 2020-21 SESSION</b>

<b>PHYSICS</b>	1. Measurement and experimentation 2. Motion in one dimension	1. Laws of motion 2. Fluid	Lab Manual	UT 1 + UT 2	1. Heat 2. Sound	1. Light 2. Electricity and magnetism 3. Motion in one dimension (Revision)	Lab Manual	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>
<b>MATHEMATICS</b>	1. Rational & Irrational Numbers 2. Compound interest 3. Expansion 4. Quadratic Equations 5. Triangles	1. Factorisations 2. Simultaneous Linear Equation 3. Indices 4. Midpoint Theorem 5. Rectilinear figures	Study ways of raising a loan to buy a car or house e.g. bank loan or purchase a refrigerator or a television set through live purchase.	UT 1 + UT 2	1. Problems on simultaneous linear equations 2. Pythagoras Theorem 3. Trigonometric Ratios 4. Coordinate Geometry 5. Logarithms	1. Mensuration 2. Circles 3. Trigonometric Ratios 4. Statistics 5. Theorems on Area	Conduct a survey of a group of students and represent it graphically – height, weight, number of family members, pocket money etc.	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>
<b>CHEMISTRY</b>	1. CH1- Language of chemistry 2. CH2- Chemical changes and reactions	1. CH4- Atomic structure and chemical bonding 2. CH3- Water	Physical and chemical changes around us	UT 1 + UT 2	1. CH5- Peiodic table 2. CH7- Study of Gas laws 3. CH2-Chemical changes and reactions	1. CH8- Atmospheric pollution 2. CH6- Hydrogen 3. Ch4-Atomic structure and chemical bonding	Atmospheric pollution	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>
<b>BIOLOGY</b>	Ch1.Introducing Biology Ch2.Cell: The Unit of Life Ch3.Tissues Ch4.The Flower Ch5.Pollination and Fertilization	Ch6.Seeds Ch7.Respiration in Plants Ch8.Five Kingdom Classification Ch9.Economic Importance of Bacteria and Fungi Ch10.Nutrition	1.To study the morphological characters of a cross pollinated flower of hibiscus. 2.To prepare stained temporary mount of onion peel. 3.Identification: Sponge, Hydra, Tapeworm, Ascaris, Earthworm, Prawn, Pila, Starfish	UT 1 + UT 2	Ch11.Digestive system Ch12.Skeleton: Moveme nt and Locomotion Ch13.Skin Ch14.The Respiratory System Ch15.Hygiene	Ch16.Diseases:Causes and Control Ch17.Aids to Health Ch18.Health Organisation Ch19.Waste Generation and Management	4.Examination and identification of:Pisces,Amphibia, Reptilia, Aves and Mammalia 5.Mechanism of Breathing 6.Identification of structures of organs- Lung and Skin.	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>

<p style="text-align: center;"><b>HISTORY</b></p>	<ol style="list-style-type: none"> <li>1. Our Constitution (Civics)</li> <li>2. Elections (Civics)</li> <li>3. Harappan Civilization</li> <li>4. The Vedic Period</li> </ol>	<ol style="list-style-type: none"> <li>1. The Mauryan Empire</li> <li>2. The Sangam Age</li> <li>3. The Age of Gupta's</li> <li>4. Jainism and Buddhism</li> </ol>	<p>Our Constitution</p>	<p style="text-align: center;">UT 1 + UT 2</p>	<ol style="list-style-type: none"> <li>1. Medieval India: The Cholas, The Delhi Sultanate, The Mughal Empire</li> <li>2. Local Self Government (Civics)</li> </ol>	<ol style="list-style-type: none"> <li>1. The Modern Age in Europe: Renaissance, Reformation, Industrial Revolution</li> </ol>	<p>Renaissance</p>	<p style="text-align: center;"><b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b></p>
<p style="text-align: center;"><b>GEOGRAPHY</b></p>	<p>Our World:</p> <ol style="list-style-type: none"> <li>(i) Earth as a planet</li> <li>(ii) Geographical Grid</li> </ol> <p>Rotation and Revolution</p> <p>Structure of the Earth:</p> <ol style="list-style-type: none"> <li>(i) Earth's structure</li> <li>(ii) Landforms of the Earth</li> <li>(iii) Rocks</li> <li>(iv) Volcanoes</li> <li>(v) Rivers</li> <li>(vi) Earthquakes</li> <li>(vii) Weathering and denudation</li> </ol> <p>Map work:</p> <ol style="list-style-type: none"> <li>1. The oceans, seas, gulf and strait – all</li> <li>2. Rivers</li> </ol>	<p>Hydrosphere:</p> <ol style="list-style-type: none"> <li>(i) Hydrosphere</li> <li>(ii) Tides</li> <li>(iii) Ocean Currents</li> </ol> <p>Pollution:</p> <ol style="list-style-type: none"> <li>(i) Types of pollution</li> <li>(ii) Sources of pollution</li> <li>(iii) Effects of pollution and preventive measures</li> </ol> <p>Map work:</p> <ol style="list-style-type: none"> <li>1. Mountains</li> <li>2. Plateaus</li> </ol>	<p>Weather records: maintaining and interpreting weather records as found in the newspaper for at least one season.</p>	<p style="text-align: center;">UT 1 + UT 2</p>	<p>Atmosphere:</p> <ol style="list-style-type: none"> <li>(i) Composition and structure</li> <li>(ii) Atmospheric pressure and Wind</li> <li>(iii) Humidity and Precipitation</li> </ol>	<p>Natural Region of the World:</p> <ol style="list-style-type: none"> <li>(i) Equatorial region</li> <li>(ii) Tropical grassland</li> <li>(iii) Tropical Desert</li> <li>(iv) Tropical monsoon</li> <li>(v) Mediterranean</li> <li>(vi) Temperate grassland</li> <li>(vii) Taiga</li> <li>(viii) Tundra</li> </ol> <p>Map work: The natural regions – all</p>	<ol style="list-style-type: none"> <li>a) Uses of important types of maps.</li> <li>b) Reading and using statement of scale, graphic scale and scale shown by representative fraction method. (No drawing work)</li> </ol>	<p style="text-align: center;"><b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b></p>

<b>ECONOMICS</b>	Chapter: Introduction to Economics Chapter: Basic Economic entities.	Chapter: Basic concepts of Economic Chapter: Types of Economics	Types of economies	Chapter: Basic problems of an economy Chapter: Primary sector of an Economy Chapter: Basic economic entities Chapter: Types of Economies	Chapter: Secondary sector Chapter: Poverty	Chapter: Tertiary sector Chapter: Agriculture	LPG MODEL	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>
<b>COMMERCIAL STUDIES</b>	Chapter: Commercial and Non-Commercial Activities. Chapter: Business Activities Chapter: Profitand Non- profit organization.	Chapter: Basic terminology and objectives of Accounting. Chapter: Basic concepts and Principles of Accounting Chapter: Sole-proprietorship Chapter: Partnership	Business activities	Chapter: Business Activities Chapter: Partnership Chapter: Joint stock company Chapter: Journal, ledger Chapter: Public sector enterprises Chapter: General administration and legal department Chapter: Human resources department	Chapter: Cooperative society Chapter: Marketing and sales Chapter: Trial Balance Chapter: Trade	Chapter: Finance and Accounts Department Chapter: Production Department Chapter: Communication Chapter: Verbal and Non – verbal communication	Trade	<b>FINAL TERM SYLLABUS WILL BE DECLEARED LATER ON AS 2020-21 SESSION</b>