



**Usha Martin School, Malda**  
**Session:-2024-25**  
**Class:-X(Aakash)**

Subject	Periodic Test-I	Half-Yearly Examination	Pre Board I & II
English	<p><b><u>FIRST FLIGHT</u></b>  Prose  1. A Letter to God  2. Nelson Mandela: Long Walk to Freedom  3. Madam Rides the Bus  Poem  1. Dust of Snow  2. Fire and Ice  3. A Tiger in the Zoo</p> <p><b><u>FOOTPRINTS WITHOUT FEET</u></b>  Prose  1. A Triumph of Surgery  2. The Thief's Story  3. The Midnight Visitor  4. A Question of Trust</p> <p><b><u>GRAMMAR</u></b>  1. Determiners  2. Subject verb concord</p> <p><b><u>WRITING SKILL</u></b>  1. Descriptive/Analytical paragraph</p>	<p><b><u>FIRST FLIGHT</u></b>  Prose  1. Two Stories about Flying  2. From the Diary of Anne Frank  3. Glimpses of India  4. Mijbil the Otter  5. The Proposal  Poem  1. How to Tell Wild Animals  2. The Ball Poem  3. Amanda  4. The Trees  5. Fog  6. The Tale of Custard the Dragon</p> <p><b><u>FOOTPRINTS WITHOUT FEET</u></b>  Prose  1. Footprints without Feet  2. The Making of a Scientist</p> <p><b><u>GRAMMAR</u></b>  1. Tenses  2. Reported speech</p> <p><b><u>WRITING SKILL</u></b>  1. Letter Writing</p>	<p><b><u>FIRST FLIGHT</u></b>  Prose  1. A Letter to God  2. Nelson Mandela: Long Walk to Freedom  3. Madam Rides the Bus  4. Two Stories about Flying  5. From the Diary of Anne Frank  6. Glimpses of India  7. Mijbil the Otter  8. The Proposal  9. The Sermon at Benaras  Poem  1. How to Tell Wild Animals  2. The Ball Poem  3. Amanda  4. The Trees  5. Fog  6. The Tale of Custard the Dragon  7. Dust of Snow  8. Fire and Ice  9. A Tiger in the Zoo  10. For Anne Gregory</p> <p><b><u>FOOTPRINTS WITHOUT FEET</u></b>  Prose  1. A Triumph of Surgery  2. The Thief's Story  3. The Midnight Visitor  4. A Question of Trust  5. Footprints without Feet  6. The Making of a Scientist</p>

			<p>7. The Necklace 8. Bholi 9. The Book That Saved the Earth</p> <p><b><u>GRAMMAR</u></b></p> <p>1. Determiners 2. Subject verb concord 3. Tenses 4. Reported speech 5. Modals</p> <p><b><u>WRITING SKILL</u></b></p> <p>1. Descriptive/Analytical paragraph 2. Letter Writing</p>
Math	<p><b><u>MATHEMATICS ( UPADHYAY AND UPADHYAY)</u></b></p> <p>1. Real number 2. polynomial 3. pair of linear equation 4. Introduction to trigonometry</p>	<p><b><u>MATHEMATICS ( UPADHYAY AND UPADHYAY)</u></b></p> <p>1. Real number 2. polynomial 3. pair of linear equation 4. Introduction to trigonometry 5. Quadratic equation 6. Triangle 7. Circle 8. Area related Circle</p>	<p><b><u>MATHEMATICS ( UPADHYAY AND UPADHYAY)</u></b></p> <p>1. Real number 2. polynomial 3. pair of linear equation 4. Introduction to trigonometry 5. Quadratic equation 6. Triangle 7. Circle 8. Area related Circle 9. surface area and volume 10. statistics 11. probability 12. Application of Trigonometry</p>
SST	<p><b><u>HISTORY</u></b> Chapter 1 – The Rise of Nationalism in Europe (including map work)</p> <p><b><u>GEOGRAPHY</u></b> <b><u>GEOGRAPHY CONTEMPORARY INDIA – II</u></b> Ch 1: Resources and Development Ch 2: Forest and Wildlife Resources</p>	<p><b><u>HISTORY</u></b> Chapter 1 – The Rise of Nationalism in Europe (including map work)</p> <p>Chapter 2 – Nationalism in India (including map work)</p> <p>Chapter 3 – The Making of a Global World (including map work)</p>	<p><b><u>HISTORY</u></b> Chapter 1 – The Rise of Nationalism in Europe (including map work)</p> <p>Chapter 2 – Nationalism in India (including map work)</p> <p>Chapter 3 – The Making of a Global World (including map work)</p>

	<p><b><u>POLITICAL SCIENCE</u></b> Democratic Politics II Ch 1- Power Sharing Ch 2- Federalism</p> <p><b><u>ECONOMICS</u></b> 1. Development</p>	<p><b><u>GEOGRAPHY</u></b> <b><u>GEOGRAPHY CONTEMPORARY INDIA – II</u></b> Ch 1: Resources and Development Ch 2: Forest and Wildlife Resources Ch 3: Water Resources Ch 4: Agriculture</p> <p><b><u>POLITICAL SCIENCE</u></b> Democratic Politics II Ch 1- Power Sharing Ch 2- Federalism Ch 4 - Gender, Religion and Caste Ch 6 – Political Parties</p> <p><b><u>ECONOMICS</u></b> 1. Development 2. Sectors of the Indian Economy.</p>	<p>Chapter 4 – The Age of Industrialization (including map work)</p> <p>Chapter 5 – Print Culture and the Modern World (including map work)</p> <p><b><u>GEOGRAPHY</u></b> <b><u>GEOGRAPHY CONTEMPORARY INDIA – II</u></b> Ch 1: Resources and Development Ch 2: Forest and Wildlife Resources Ch 3: Water Resources Ch 4: Agriculture Ch 5: Minerals and Energy Resources Ch 6: Manufacturing Industries Ch 7: Lifelines of National Economy</p> <p><b><u>POLITICAL SCIENCE</u></b> Democratic Politics II Ch 1- Power Sharing Ch 2- Federalism Ch 4 - Gender, Religion and Caste Ch 6 – Political Parties Ch 7- Outcomes of Democracy</p> <p><b><u>ECONOMICS</u></b> 1. Development 2. Sectors of the Indian Economy. 3. Money and Credit 4. Globalisation.</p>
Science	<p><b><u>PHYSICS (NCERT + LIVING SCIENCE)</u></b> Ch12: Electricity Ch 13: Magnetic Effect Of Electric Current (Upto Magnetic Field Due To Current Carrying Solenoid).</p>	<p><b><u>PHYSICS (NCERT + LIVING SCIENCE)</u></b> Ch12: Electricity Ch 13: Magnetic Effect Of Electriccurrent Ch 10: Light Reflection And Refraction</p> <p><b><u>PRACTICAL SYLLABUS:</u></b></p>	<p><b><u>PHYSICS (NCERT + LIVING SCIENCE)</u></b> Ch12: Electricity Ch 13: Magnetic Effect Of Electric Current Ch 10: Light Reflection And Refraction Ch 11: Human Eye And Beautiful World</p>

<p><b><u>CHEMISTRY BOOK</u></b>  <b><u>1. NCERT SCIENCE</u></b>  <b><u>2. LIVING SCIENCE CHEMISTRY</u></b></p> <p>Ch 1: Chemical Reactions and Equations</p> <p><b><u>BIOLOGY</u></b>  <b><u>1. NCERT TEXTBOOK SCIENCE</u></b>  <b><u>2. LIVING SCIENCE (D K Rao. J J Kaur)</u></b></p> <p>NCERT</p> <p>Ch 5 : Life processes</p> <p>LIVING SCIENCE</p> <p><b><u>UNIT II: WORLD OF LIVING</u></b></p> <p>Ch 1 : Life process</p>	<p>1. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.  2. Determination of the equivalent resistance of two resistors when connected in series and parallel</p> <p><b><u>CHEMISTRY BOOK</u></b>  <b><u>1. NCERT SCIENCE</u></b>  <b><u>2. LIVING SCIENCE CHEMISTRY</u></b></p> <p>Ch 1: Chemical Reactions and Equations  Ch 2: Acids, Bases and Salts  Ch 3: Metals and Non-metals</p> <p><b><u>PRACTICAL</u></b></p> <p>1. Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions  2. A. Finding the pH of the following samples by using pH paper/universal indicator: Dilute Hydrochloric Acid, Dilute NaOH solution, Dilute Ethanoic Acid solution, Lemon juice ,Water ,Dilute Hydrogen Carbonate solution  B. Studying the properties of acids and bases (HCl &amp; NaOH) on the basis of their reaction with:  a) Litmus solution (Blue/Red)</p>	<p><b><u>PRACTICAL SYLLABUS:</u></b>  1. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.  2. Determination of the equivalent resistance of two resistors when connected in series and parallel  3. Determination of the focal length of:  i) Concave mirror ii) . Convex lens by obtaining the image of a distant object.  4. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.</p> <p><b><u>CHEMISTRY BOOK</u></b>  <b><u>1. NCERT SCIENCE</u></b>  <b><u>2. LIVING SCIENCE CHEMISTRY</u></b></p> <p>Ch 1: Chemical Reactions and Equations  Ch 2: Acids, Bases and Salts  Ch 3: Metals and Non-metals  Ch 4: Carbon and its Compounds</p> <p><b><u>PRACTICAL</u></b>  1. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:    i) <math>\text{ZnSO}_4(\text{aq})</math> ii) <math>\text{FeSO}_4(\text{aq})</math> iii) <math>\text{CuSO}_4(\text{aq})</math>  iv) <math>\text{Al}_2(\text{SO}_4)_3(\text{aq})</math></p>
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		<p>b) Zinc metal c) Solid sodium carbonate</p> <p><b>BIOLOGY</b>  <u><b>1. NCERT TEXTBOOK SCIENCE</b></u>  <u><b>2. LIVING SCIENCE (D K Rao. J J Kaur)</b></u></p> <p><b>NCERT</b></p> <p>Ch 5 : Life processes</p> <p>Ch 6: Control and co-ordination</p> <p>Ch 7: How do organisms Reproduce?</p> <p><u><b>LIVING SCIENCE</b></u></p> <p>Unit II: World of Living</p> <p>Ch 1 : Life process</p> <p>Ch 2 : Control and Coordination</p> <p>Ch 3 : Reproduction in plants and animals</p> <p><u><b>PRACTICAL EXPERIMENTS</b></u></p> <p>6. Preparing a temporary mount of a leaf peel to show stomata. Unit- II</p> <p>7. Experimentally show that carbon dioxide is given out during respiration. Unit-II</p> <p>12. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of Prepared slides. Unit-II</p>	<p>Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.</p> <p>2. Study of the following properties of acetic acid (ethanoic acid):</p> <p>i.Odour</p> <p>ii.solubility in water</p> <p>iii.effect on litmus</p> <p>iv. reaction with Sodium Hydrogen Carbonate</p> <p><u><b>BIOLOGY</b></u>  <u><b>1. NCERT TEXTBOOK SCIENCE</b></u>  <u><b>2. LIVING SCIENCE (D K RAO. J J KAUR)</b></u></p> <p>Unit II: World of Living</p> <p><b>NCERT</b></p> <p>Ch 5: Life processes</p> <p>Ch 6: Control and co-ordination</p> <p>Ch 7: How do organisms Reproduce?</p> <p>Ch 8 : Heredity</p> <p>Unit V: Natural Resources</p> <p>Ch 13 : Our environment</p> <p><u><b>LIVING SCIENCE</b></u></p>
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			<p>Unit II: World of Living</p> <p>Ch 1 : Life process</p> <p>Ch 2 : Control and Coordination</p> <p>Ch 3 : Reproduction in plants and animals</p> <p>Ch 4 : Heredity and Evolution</p> <p>Unit V: Natural Resources</p> <p>Ch 6 : Our environment</p> <p><b><u>PRACTICAL</u></b></p> <p>6. Preparing a temporary mount of a leaf peel to show stomata. Unit- II</p> <p>7. Experimentally show that carbon dioxide is given out during respiration. Unit-II</p> <p>12. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of Prepared slides. Unit-II</p> <p>14. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney Bean).</p>
Bengali (2 <sup>nd</sup> Language)	<p><u>সাহিত্য সঞ্চয়ন</u></p> <p>গদ্যঃ-</p> <p>১) জ্ঞানচক্ষু</p>	<p><u>সাহিত্য সঞ্চয়ন</u></p> <p>গদ্যঃ-</p> <p>১) অদল বদল</p>	<p><u>সাহিত্য সঞ্চয়ন</u></p> <p>গদ্যঃ-</p> <p>১) জ্ঞানচক্ষু</p>

<p>২)আলোবাবু পদ্যঃ- ১)আয় আরো বেঁধে বেঁধে থাকি ২)তিন পাহারের কোলে</p> <p><u>গল্পগুচ্ছ-রবীন্দ্রনাথ ঠাকুর</u> সহায়ক পাঠঃ- ১) পোস্টমাস্টার ২)কাবুলিওয়ালা</p> <p><u>সরস্বতী বাংলা ব্যাকরণ ও প্রবেশিকা বাংলা ব্যাকরণ</u> ১)ব্যঞ্জন সন্ধি ২)বাক্য পরিবর্তন( সরল,জটিল ও যৌগিক) <u>লেখনীঃ-</u> ১) সম্পাদকের নিকট পত্র</p> <p><u>বিঃদ্রঃ</u> বোধ পরীক্ষণ</p>	<p>২) বহুরূপী ৩)আলোবাবু পদ্যঃ- ১)অস্ত্রের বিরুদ্ধে গান ২) একাকারে ৩)আয় আরো বেঁধে বেঁধে থাকি <u>গল্পগুচ্ছ-রবীন্দ্রনাথ ঠাকুর</u> ১)কাবুলিওয়ালা ২)দান-প্রতিদান ৩)পোস্টমাস্টার</p> <p><u>সরস্বতী বাংলা ব্যাকরণ ও প্রবেশিকা বাংলা ব্যাকরণ</u> ১) সমাস(দ্বন্দ্ব, কর্মধারয়, অব্যয়ীভাব) ২)সাধু ও চলিত ভাষায় রূপান্তর ৩) বিসর্গ সন্ধি ৪)বাক্য পরিবর্তন <u>লেখনীঃ-</u> ১) সম্পাদকের নিকট পত্র ২)অনুচ্ছেদ রচনা</p> <p><u>বিঃদ্রঃ</u> বোধ পরীক্ষণ</p>	<p>২)আলোবাবু ৩)অদল বদল ৪)বহুরূপী পদ্যঃ- ১)আয় আরো বেঁধে বেঁধে থাকি ২)তিন পাহারের কোলে ৩)অস্ত্রের বিরুদ্ধে গান ৪) একাকারে</p> <p><u>গল্পগুচ্ছ-রবীন্দ্রনাথ ঠাকুর</u> সহায়ক পাঠঃ- ১) পোস্টমাস্টার ২)কাবুলিওয়ালা ৩)দান-প্রতিদান</p> <p><u>সরস্বতী বাংলা ব্যাকরণ ও প্রবেশিকা বাংলা ব্যাকরণ</u> ১)ব্যঞ্জন সন্ধি ২)বিসর্গ সন্ধি ৩)বাক্য পরিবর্তন( সরল,জটিল ও যৌগিক) ৪) সাধু ও চলিত ভাষায় রূপান্তর</p> <p><u>লেখনীঃ-</u> ১) সম্পাদকের নিকট পত্র অনুচ্ছেদ রচনা</p> <p><u>বিঃদ্রঃ</u></p>
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Hindi (2 <sup>nd</sup> Language)	<p><u><b>क्षितिज-2</b></u>  गद्य खण्ड  पाठ-1 नेताजी का चश्मा  पाठ-बालगोबिन भगत  पद्य खण्ड  पाठ-1 पद  पाठ-2 राम-लक्ष्मण-परशुराम संवाद</p> <p><u><b>कृतिका-2</b></u>  पाठ-1 माता का आँचल</p> <p><u><b>व्याकरण</b></u>  1.अपठित गद्यांश/पद्यांश  2.वाक्य भेद रचना के आधार पर  3.वाच्य</p> <p><u><b>रचनात्मक लेखन</b></u>  1.अनुच्छेद लेखन  2.पत्र लेखन औपचारिक/अनौपचारिक  3.विज्ञापन लेखन</p>	<p><u><b>क्षितिज-2</b></u>  गद्य खण्ड  पाठ-1 नेताजी का चश्मा  पाठ-2 बालगोबिन भगत  पाठ-3 लखनवी अंदाज  पाठ-5 एक कहानी यह भी  पाठ-7 नौबतखाने में इबादत  पद्य खण्ड  पाठ-1 पद  पाठ-2 राम-लक्ष्मण-परशुराम संवाद  पाठ-4 आत्मकथ्य  पाठ-5 उत्साह, अट नहीं रहीं</p> <p><u><b>कृतिका-2</b></u>  पाठ-1 माता का आँचल  पाठ-3 साना-साना हाथ जोड़ि</p> <p><u><b>व्याकरण</b></u>  1 वाक्य भेद रचना के आधार पर  2 वाच्य  3 पद-परिचय  रचनात्मक लेखन  1 अनुच्छेद लेखन  2 पत्र लेखन औपचारिक/अनौपचारिक  3 स्ववृत्त लेखन</p>	<p><u><b>क्षितिज-2</b></u>  गद्य खण्ड  पाठ-1 नेताजी का चश्मा  पाठ-2 बालगोबिन भगत  पाठ-3 लखनवी अंदाज  पाठ-5 एक कहानी यह भी  पाठ-7 नौबतखाने में इबादत  पाठ-8 संस्कृति  पद्य खण्ड  पाठ-1 पद  पाठ-2 राम-लक्ष्मण-परशुराम संवाद  पाठ-4 आत्मकथ्य  पाठ-5 उत्साह, अट नहीं रही  पाठ-6 यह दंतुरिन मुस्कान, फसल  पाठ-9 संगतकार</p> <p><u><b>कृतिका-2</b></u>  पाठ-1 माता का आँचल  पाठ-3 साना-साना हाथ जोड़ि  पाठ-5 मैं क्यों लिखता हूँ?</p> <p><u><b>व्याकरण</b></u>  1 वाक्य भेद रचना के आधार पर  2 वाच्य</p>



		4 औपचारिक ई-मेल लेखन	3 पद-परिचय 4अलंकार(श्लेष,उत्प्रेक्षा ,मानवीकरण ,अतिशयोक्तिअलंकार) रचनात्मक लेखन 1 अनुच्छेद लेखन 2 पत्र लेखन औपचारिक/अनौपचारिक 3 स्ववृत्त लेखन/ई-मेल लेखन 4 विज्ञापन/ संदेश लेखन
Computer	<b><u>CYBER BEANS</u></b> Ch 1:- Internet Basics Ch 2:- Internet Services Ch 3:- Basic HTML Element	<b><u>CYBER BEANS</u></b> Ch 1:- Internet Basics Ch 2:- Internet Services Ch 3:- Basic HTML Element Ch 4:- Images, Links and Tables Ch 5:- Forms and Frames Ch 6:- Cascading Style Sheets	<b><u>CYBER BEANS</u></b> Ch 1:- Internet Basics Ch 2:- Internet Services Ch 3:- Basic HTML Element Ch 4:- Images, Links and Tables Ch 5:- Forms and Frames Ch 6:- Cascading Style Sheets Ch 7:- Cyberethics