



# LOYOLA CONVENT SCHOOL

Vidyalaya Marg, Dumardaga, Booty, Ranchi  
Session-2024-25  
Syllabus of Class-X

## Subject – English Language & Literature (184)

### PRESCRIBED TEXTBOOKS:

1. FIRST FLIGHT
2. FOOTPRINT WITHOUT FEET.
3. WORDS & EXPRESSION (WORKBOOK)
4. TOGETHER WITH (PULLOUT SHEETS)

Month	Chapter/Topic
	<b>First Flight</b> ● Ch - 1(A Letter to God) ● POEM-1 (Dust of Snow) ● Poem-2 (Fire & Ice) <b>Foot Print without Feet</b> ● Ch-1 (Triumph of Surgery) <b>Grammar &amp; Writing</b> ● Introduction of grammar and writing section topics.
April	<b>First Flight</b> ● Chp- 2 (Nelson Mandela: Long Walk to Freedom) ● Chp -3 ( Two Stories about Flying) ● POEM-3 (A Tiger In A Zoo) ● 4 - (How To Tell Wild Animals) <b>Foot Print without Feet</b> ● Ch - 1(The Triumph of Surgery)(Cont) ● Ch- 2 (The Thief's Story) <b>Grammar &amp; Writing</b> ● 1. Modals ● 2. Tense. ● 3. Letter- Writing (Letter to Editor)/ Complaint/ Order <b>Words &amp; Expression</b> ● Unit 1 & 2 <b>Together With (Pullout Sheet)</b> ● Taught topics to be done
May	<b>First Flight</b> ● Ch-3 (Two Stories about Flying - Part-2) <b>Foot Print without Feet</b> ● Ch - 3 (The Midnight Visitor) <b>Grammar &amp; Writing</b> ● 1. Reporting Verb ● 2. Voice. ● Words & Expression ● Unit 3 <b>Together With</b> ● (Worksheet related to taught topics)
June	<b>First Flight</b> ● Ch –4 (From The Diary of Anne Frank) <b>Foot Print without Feet</b> ● Ch – 4(A Question of Trust) <b>Grammar &amp; Writing</b> ● 1. Subject -Verb Concord <b>Together With Worksheet</b> ● Related to the taught topics.
July	<b>First Flight</b> ● Ch-5 (Glimpses of India) ● Chp-6 (Mijbil the Otter) ● POEM: 5(The Ball Poem) ● Poem 6- (Amanda) <b>Foot Print without Feet</b> ● Ch-5 (Footprints without Feet) ● Chp-6 (Making Of A Scientist) <b>Grammar &amp; Writing</b> ● 1. Clauses ● 2. Analytical Paragraph writing ● Story Writing ● Words & Expression ● Unit 3, 4 & 5 <b>Together With</b> Worksheet related to the taught topics
August	<b>First Flight</b> ● Chp-7 (Madam Rides The Bus) ● Chp-8 (The Sermon At Benaras) ● POEM: 7. The Trees ● 8.Fog <b>Foot Print without Feet</b> ● Chp-7 (The Necklace) <b>Grammar &amp; Writing</b> ● 1. Determiners ● 2. Prepositions ● 3.Editorial letter ● 4. Enquiry Letter. <b>Words &amp; Expression</b> ● Unit 5, 6 & 7 <b>Together With</b> ● Worksheets related to the taught topics.
September	Revision for Half Yearly exam

October	<b>First Flight</b> ● Chp-9 (The Proposal) ● POEM: 9. The Tale of Custard the Dragon. <b>Foot Print without Feet</b> ● Chp-8 (Bholi) ● Chp-9 (The Book That Saved the Earth) <b>Grammar &amp; Writing</b> ● Integrated Grammar ● Analytical Paragraph ● Letter Writing <b>Words &amp; Expression</b> ● Unit 8 To 11 <b>Together With</b> Worksheets related to taught topics
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**Subject – Hindi Course-A (002)**

निर्धारित पाठ्य पुस्तकें:- 1 क्षितिज भाग 2

2 कृतिका भाग 2

3 नवयुग हिन्दी व्याकरण एवम् रचना(लक्ष्मी प्रकाशन)

4 टुगेदर विद हिन्दी (रचना सागर)

Month	Chapter/Topic
April & May	क्षितिज- नेताजी का चश्मा, बालगोबिन भगत पद्य- सूरदास के पद ,राम लक्ष्मण परशुराम संवाद कृतिका- माता का अंचल व्याकरण- पद परिचय, अलंकार-उपमा,रूपक,उत्प्रेक्षा,अतिशयोक्ति,मानवीकरण, रचनधार वाक्य भेद, अपठित गद्यांश, अपठित पद्यांश, अनुच्छेद लेखन, पत्र(औपचारिक,अनौपचारिक), सन्देश लेखन, विज्ञापन, स्ववृत लेखन, ई मेल लेखन टुगेदर- पठित पाठाभ्यास
June	क्षितिज- लखनवी अंदाज, पद्य- उत्साह, अट नहीं रही है, यह दंतुरित मुस्कान,फसल कृतिका- माता का अंचल व्याकरण- वाच्य टुगेदर- पाठित पाठाभ्यास PT 1 PORTION (प्रथमा मासिकी परीक्षा पाठ्यक्रम) क्षितिज- नेताजी का चश्मा पद्य- सूरदास के पद, रामलक्ष्मण परशुराम संवाद कृतिका- माता का अंचल व्याकरण- वाच्य, रचनधार वाक्य भेद, अपठित गद्यांश, अपठित पद्यांश, अनुच्छेद लेखन, पत्र(औपचारिक,अनौपचारिक), सन्देश लेखन, विज्ञापन, स्ववृत्त लेखन
July	क्षितिज- लखनवी अंदाज , एक कहानी यह भी, पद्य-छाया मत छूना कृतिका- साना साना हाथ जोड़ी व्याकरण- अलंकार-श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण टुगेदर- अभ्यासकार्य-1,2,3,4
August	क्षितिज- नौबतखाने में इबादत, कृतिका- साना साना हाथ जोड़ी व्याकरण- पद- परिचय
September	क्षितिज - नौबतखाने में इबादत, पद्य- संगतकार कृतिका- साना-साना हाथ जोड़ी व्याकरण- पत्र लेखन, अनुच्छेद लेखन

	<p>टुगेदर- पाठित पाठाभ्यास  P T 2 PORTION ( अर्धवार्षिकी परीक्षा पाठ्यक्रम )  क्षितिज- पद्य-पाठ-1, 2, 4 गद्य-10, 11, 12  कृतिका- माता काअंचल, साना साना हाथ जोड़ी  व्याकरण- पद परिचय, रचनधार वाक्य भेद, अपठित गद्यांश, अपठित पद्यांश, अनुच्छेद लेखन,  पत्र(औपचारिक,अनौपचारिक), सन्देश लेखन, विज्ञापन,, वाच्य, स्ववृत्त लेखन</p>
October	<p>क्षितिज- एक कहानी यह भी,  कृतिका- साना-साना हाथ जोड़ी  व्याकरण- पद परिचय, रचनधार वाक्य भेद, अपठित गद्यांश, अपठित पद्यांश, अनुच्छेद लेखन,  पत्र(औपचारिक,अनौपचारिक), सन्देश लेखन, विज्ञापन।  टुगेदर- पाठित पाठाभ्यास, प्रतिदर्श प्रश्न पत्र</p>
November	<p>क्षितिज- नौबतखाने में इबादत  कृतिका- पुनरावृत्ति  व्याकरण- पुनरावृत्ति  P T 3 PORTION (तृतीया मासिकी परीक्षा पाठ्यक्रम)  सम्पूर्ण पाठ्यक्रम(MOCK TEST)</p>

### Subject – Sanskrit (122)

निर्धारित पाठ्यपुस्तकानि :-

- 1 शेमुषी द्वितीयः भागः
- 2 अभ्यासवान भव द्वितीयः भागः
- 3 संप्रेषणात्मक संस्कृत व्याकरण तथा अभ्यास X(आर्य बुक डिपो)
- 4 टुगेदर विद संस्कृत रचनासागर कक्षा 10

Month	Chapter/Topic
April & May	<p>शेमुषी - शुचिपर्यावर्णम्, बुद्धिर्बलवती  व्याकरण- संधि-व्यंजन संधि( जशत्त्व, पंचम् वर्ण परिवर्तनम्),समयः,  अभ्यासवान- व्याकरण पाठिताः पाठाः  टुगेदर- पाठितपाठाभ्यास,अपठित अनुच्छेद,पत्र,चित्रलेखन,अनुवादाभ्यास, चित्र लेखनम्</p>
June	<p>शेमुषी- ,शिशुलालनम्  व्याकरण- विसर्ग संधि,समास, पत्र ,चित्र लेखन,अनुवाद, अपठित अनुच्छेद,अव्यय,अशुद्धि  संशोधनम्  अभ्यासवान- पाठितव्याकरणाभ्यास  टुगेदर- पाठितपाठाभ्यास  P T 1 PORTION (प्रथमा मासिकी परीक्षा पाठ्यक्रम)  शेमुषी- पाठ-1,2  व्याकरण- व्यंजन संधि,समयः अनुवाद,चित्र, पत्र,अपठितबोध,समास(तत्पुरुष,अव्ययी),</p>
July	<p>शेमुषी- सुभाषितानि  व्याकरण- प्रत्यय(मतुप्, ठक्, त्त्व,तल्, डीप,टाप्)</p>

	अभ्यासवान- पाठितपाठाभ्यास टुगेदर- पाठित पाठाभ्यास
August	शेमुषी- सुभाषितानी, पाठ-7 व्याकरण- अशुद्धि संशोधनम् अभ्यासवान - पाठितव्याकरणाभ्यास टुगेदर- पाठित पाठाभ्यास
September	अर्धवार्षिकी परीक्षा, पुनरावृत्ति P T 2 PORTION(अर्धवार्षिकी परीक्षा पाठ्यक्रम) शेमुशी- पाठ(1,2,4,5,6) व्याकरण- व्यंजन सन्धि, विसर्ग सन्धि, समयः, समास, अपठित अनुच्छेद, पत्र, चित्र, अनुवाद, प्रत्यय, अव्यय, अशुद्धि संशोधनम्
October	शेमुषी- सौहार्द प्रकृतेः शोभा, विचित्र साक्षीः व्याकरण- वाच्य, अव्यय, अशुद्धि संशोधनम्, अपठित बोध, चित्र, पत्र, अनुवाद अभ्यासवान- व्याकरणाभ्यास टुगेदर- पाठितपाठाभ्यास
November	शेमुषी- सूक्तयः, प्राणभ्यःऽपि प्रियःसुहृद् व्याकरण- समास(द्वन्द्व, बहुब्रीहि), प्रत्यय(टाप्, डीप) अशुद्धि संशोधनम् अभ्यासवान- व्याकरणाभ्यास टुगेदर- पाठाभ्यास P T 3 PORTION (तृतीया मासिकी परीक्षा पाठ्यक्रमम) शेमुषी- सुभाषितानि व्याकरण- संधि, समास, प्रत्यय, संशोधन, अनुवाद, चित्र, पत्र, अपठित बोध
December	मॉडल टेस्ट पेपर्स(अभ्यास)

**Subject – Mathematics**

Month	Chapters	Lab Manual
March	L – 1 Real Numbers(NCERT) L – 1 (R S Aggarwal)	
April	L –1 Real Numbers (Continued) L – 2 Polynomials (NCERT) L – 2(R S Aggarwal) L – 3 Linear Equation in two variables (NCERT) L – 3 (R S Aggarwal)	Activity 1
May	L – 3 Linear Equation in two variables.... continued L – 3 (R S Aggarwal) continued L –6 Triangles (NCERT)	Activity 2,6,7,8
June	L – 6 Triangles.... continued L – 7 (R S Aggarwal) L – 7 Coordinate Geometry (NCERT)	
<b>PT1 – L – 1,2,3,6</b>		

July	L – 7 Coordinate Geometry (NCERT) Continued L – 6 (R S Aggarwal) L – 8 Introduction to Trigonometry (NCERT) L – 10,11,12,13 (R S Aggarwal) L – 9 Some Applications of Trigonometry (NCERT) L –14 (R S Aggarwal)	
August	L – 10 Circles (NCERT) L – 8 (R S Aggarwal) L – 11 Areas related to circles (NCERT) L – 15,16 (R S Aggarwal) L – 14 Probability (NCERT) L – 19 (R S Aggarwal) Revision of Half Yearly Portion	Activity 10,12,13,22
September	Revision of Half Yearly Portion + Half Yearly Exam <b>L – 1,2,3,6,7,8,9,10,11,14</b>	
October	L – 4 Quadratic Equation (NCERT) L – 4 (R S Aggarwal) L – 5 Arithmetic Progression (NCERT) L – 5 (R S Aggarwal)	Activity 3,4,5
November	L – 12 Surface Area and Volume (NCERT) L – 17 (R S Aggarwal) L – 13 Statistics (NCERT) L – 18 (R S Aggarwal)	Activity 14,16,18,19,20,21,25,26
December & January	Revision and Sample Paper	

**Sub: Physics**

Month	Chapter/Topic
April	Ch-Light Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification.
May	Ch-Light(Continued.) Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses;
June	Ch-Light(Continued) Lens formula (Derivation not required); Magnification. Power of a lens. Ch-Human eye and colourful world Functioning of a lens in human eye,
July	Ch- Human eye and Colourful world (Continued) defects of vision and their corrections, applications of spherical mirrors and lenses.
August	Ch-Human eye and colourful world(Continued) Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the sun at sunrise and sunset).
September	Ch-Electricity Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors

	on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.
October & November	Ch-Magnetic Effects of Electric Current Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.

**Sub: Chemistry**

Month	Chapter/Topic
April	Chapter -1 chemical reaction and equations. Definition, important terms ,types of chemical reaction and balancing a chemical equation, corrosion and rancidity. N.M.Chemistry : assertion reason (page-16 & 40) . NCERT EXEMPLAR (Page-68 ) Lab Manual (NM Lab Manual): experiment related to finding pH .
May	Chapter -2 Acids bases and salts : Definition ,chemical properties of a acids and bases. N.M.Chemistry : assertion - reason ( page-85 ,105 ) Lab Manual: Expt. Related to properties of acids and bases.
June	Chapter -2. Acids bases and salts : continued. Important of pH and more about salts. N.M. Chemistry: NCERT EXEMPLAR (page-155 ) Lab Manual: Expt. Related to types of chemical reactions. REVISION FOR PT-1
July	Chapter -3. Metals and Non Metals . Physical and chemical properties of metals and non-metals. N.M. Chemistry: assertion- reason ( page-185), ncert exemplar(page-248) Lab Manual: Expt. Related to types of chemical reactions
August	Chapter -3: Metals and Non- Metals . contd. Occurrence of metals – Extraction and purification of metals, corrosion and it's prevention. N.M. chemistry: assertion - reason (page-185) ncert exemplar (page 248) Lab Manual: Expt. Related to types of chemical reactions.
September	REVISION FOR HALF YEARLY EXAM.
October	Chapter-4. Carbon and it's compounds. Bonding in carbon,the covalent bond, versatile nature of carbon, saturated and unsaturated hydrocarbon, homologous series, isomerism, nomenclature of organic compounds, functional group. Physical and chemical properties of carbon compounds. N.M.chemistry: assertion reason (page -288,308,316). Lab Manual –Expt. Related to property of Ethanoic acid .
November	Chapter -4. Contd.some important carbon compounds.Soap and Detergent, cleansing action of soap. N.M. chemistry: NCERT EXEMPLAR ( page-330) Lab Manual: Expt. Related to study the comparative cleaning capacity of soap.
	PORTION FOR PT. 1- Chapter -1 : Chemical reaction and equations. P.T.2- Chapter -2: Acids, bases and salts. HALF YEARLY EXAM: Chapter -1: Chemical reaction and equations. Chapter -2: Acids bases and salts Chapter -3: Metals and Non- Metals. P.T.-3: Chapter -4: Carbon and it's compounds. MOCK/ PRE- BOARD: Whole syllabus.

### Subject – Biology

Month	Topic
April	Life processes: 'Living Being'. Basic concept of nutrition, respiration, transport in plant and animal
May	Life processes: transport and excretion in plants and animals.
June	Control and co-ordination in animals and plants: Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system
July	Control and co-ordination in animals and plants: Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones
August	Reproduction: Reproduction in animals and plants (asexual and sexual) reproductive health - need and methods of family planning. Safe sex vs HIV/AIDS. Child bearing and women's health
September	Heredity and Evolution: Heredity; Mendel's contribution- Laws for inheritance of traits: Sex determination: brief introduction: (topics excluded - evolution; evolution and classification and evolution should not be equated with progress)
October	Unit V: Natural Resources Our environment: Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.
November & December	Revision

class	PT 1	Half yearly	PT 3	Annual
10	Life processes: 'Living Being'. Basic concept of nutrition, respiration, transport and excretion in plant and animal	Life processes Control and coordination in animals and plants. Human reproduction	Mock test Full syllabus	Full syllabus

### Subject – Social Science (087)

Month	Book	Chapter/Topic
March-April	History	Ch-1 The rise of nationalism in Europe Ch-2 Nationalism in India
	Geography	Ch-1 Resources and development Ch-2 Forest and wildlife Resources
	Pol. Sci	Ch-1 Power sharing
	Economics	Ch-1 Development
May	History	Map work of ch-2
	Geography	Ch-3 Water resources
	Pol.sci	Ch-2 Federalism cont.
	Economics	Ch- Sectors of the Indian economy .
June		Revision for PT-I Geography- ch- 1,2 History- ch -1
		Economics- ch- 1 Pol.sci- ch- 1
July	History	Ch-3 The making of global world
	Geography	Ch-4 Agriculture
	Pol.sci	Ch-2 completion

		Ch-3 Gender, Religion am caste
	Economics	Ch-3 Money and credit
August	History	Ch-4 The age of industrialization
	Geography	Ch-5 Mineral and Energy Ch-6 Manufacturing Industries cont.
	Pol.sci	Ch-4 political Parties
	Economics	Ch-4 Globalization and Indian economy cont.
September	Economics	Ch-4 completion Revision for half yearly
	History	Ch-1,2,3
	Geography	Ch-1,2,3,4
	Pol.sci	Ch-1,2,3
	Economics	Ch- 1,2,3
October	History	Ch-5 Print culture and the modern world
	Geography	Ch-6 Completion Ch-7 Map work
	Pol.sci	Ch-5 Outcomes of Democracy
	Economics	Ch-5 Sustainable Development (project work)
November		Revision for Mock Test-I ( whole syllabus)
	Project	Economics: Sustainable Development. History/Geography: Interdisciplinary Project Geog: ch-7, Hist: ch-3 (Topic 2 to 4.4)

**Subject – Information Technology (402)**

Month	Chapter/ Topic	Chapter/ Topic
March- April	1	Effective Communication
	6	More on Digital Documentation
May	3	ICT Skills
June	7	Features of Spreadsheet
	4	Enterprenurship & Careers
July	8	More about Spreadsheet
	9	Database Management
August, September	9	Database Management
	10	Database & Relationship
	11	More on Database
October	12	Web Application: Network & Accessibility
	13	Web Application: Communication
November	14	Web Security
	15	Workplace Safety