

LOYOLA HIGH SCHOOL, PATNA-800010

SYLLABUS FOR CLASS-10 (2026-2027)

ENGLISH			
MONTH	LITERATURE	GRAMMAR	COMPOSITION
APRIL	1. A Letter to God 2. Dust of Snow 3. Fire and Ice 4. A Triumph of Surgery	Determiners	-Descriptive Paragraph Writing -Unseen Passage (Discursive)
MAY	5. Nelson Mandela – Long Walk to Freedom 2. A Tiger in the Zoo	Determiners	-Analytical Paragraph Writing -Unseen Passage (Factual)
JUNE	1. The Thief's Story	Subject-Verb Agreement	
JULY	1. Two Stories About Flying 2. How to Tell Wild Animals 3. The Midnight Visitor	Modals	Letter Writing (Letter to the Editor)
AUG	1. From the Diary of Anne Frank 2. The Ball Poem 3. Glimpses of India 4. Amanda 5. A Question of Trust	Tenses	-Letter Writing (Letter of Complaint)
SEPT	1. Mijbil the Otter 2. The Trees 3. Footprints without Feet 4. The Making of a Scientist	Tenses	Letter Writing (Placing Order)
OCT	1. Madam Rides the Bus 2. Fog 3. The Sermon at Benaras 4. The Tale of Custard 5. The Necklace	Direct and Indirect Speech	Letter Writing (Letter of Inquiry)
NOV	1. The Proposal 2. Bholi 3. The Book that Saved the Earth 4. For Anne Gregory	Direct and Indirect Speech	-
DEC	REVISION	REVISION	REVISION
JAN	REVISION	REVISION	REVISION
FEB	-----	-----	-----
HINDI			
MONTH	पाठ्यपुस्तक + पूरक पाठ्यपुस्तक	व्याकरण	रचनात्मक-लेखन
APRIL	●बड़े भाई साहब ●डायरी का एक पन्ना ●साखी	●पदबंध	●अनुच्छेद लेखन ●औपचारिक पत्र
MAY	●मीरा के पद	●रचना के आधार पर वाक्य रूपांतरण	●सूचना लेखन ●अपठित गद्यांश
JUNE	●तर्तीरा वामीरो कथा ●हरिहर काका	●मुहावरे	●विज्ञापन लेखन
JULY	●तीसरी कसम के शिल्पकार शैलेन्द्र	●समास	● औपचारिक पत्र ● अपठित गद्यांश

AUG	● मनुष्यता ● अब कहीं दूसरे के दुःख से दुःखी होने वाले ● पर्वत प्रदेश में पावस	● समास	● लघुकथा लेखन
SEPT	● तोप ● सपनों के -से दिन	● पदबंध	● ई.मेल. लेखन
OCT	● कर चले हम फ़िदा ● आत्मत्राण	● रचना के आधार पर वाक्य रूपांतरण	● अनुच्छेद लेखन ● अपठित गद्यांश
NOV	● गिन्नी का सोना ● झेन की देन ● टोपी शुक्ला	● मुहावरे	● ई.मेल. लेखन ● अपठित गद्यांश
DEC	● कारतूस	● पुनरावृत्ति	● पुनरावृत्ति
JAN	-----	-----	-----
FEB	-----	-----	-----
MATHEMATICS			
MONTH	TOPICS		
APRIL	1. Real Numbers 2. Polynomials		
MAY	1. Continued of Polynomials 2. Trigonometry 3. Introduction to Trigonometry		
JUNE	1. Continued Trigonometric Identities 2. Pair of Linear Equations in Two Variables		
JULY	1. Triangles 2. Coordinate Geometry		
AUG	1. Quadratic Equations 2. Arithmetic Progression		
SEPT	1. Continued of Arithmetic Progression 2. Circles 3. Introduction of Height and Distances		
OCT	1. Continued of Height and Distances 2. Mensuration 3. Areas Related to Circles		
NOV	1. Surface Areas and Volumes 2. Statistics 3. Probability		
DEC	Revision		
JAN	Revision		
FEB	—		

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SYLLABUS FOR CLASS-10 (2026-2027)

SOCIAL SCIENCE				
MONTH	HISTORY	CIVICS	GEOGRAPHY	ECONOMICS
APRIL	Ch 1: The Rise of Nationalism in Europe	Ch 1: Power Sharing	Ch 1: Resources & Development	Ch 1: Development
MAY	Ch 1: The Rise of Nationalism in Europe	Ch 2: Federalism	Ch 2: Forest & Wildlife Resources	Ch 1: Development
JUNE	Ch 1: The Rise of Nationalism in Europe	3: Gender & Politics	Ch 3: Water Resources	Ch 2: Sectors of the Indian Economy
JULY	Ch 2: Nationalism in India	Ch 4: Political Parties	Ch 4: Agriculture	Ch 2: Sectors of the Indian Economy
AUGUST	Ch 2: Nationalism in India	Ch 4: Political Parties	Ch 5: Mineral & Energy Resources	Ch 3: Money and Credit
SEPTEMBER	Ch 3: The Making of a Global World	Ch 5: Outcomes of Democracy	Ch 5: Mineral & Energy Resources	Ch 3: Money and Credit
OCTOBER	Ch 4: Print Culture & the Modern World	Ch 5: Outcomes of Democracy	Ch 6: Manufacturing Industries	Ch 4: Globalisation and the Indian Economy
NOVEMBER	Ch 4: Print Culture & the Modern World	Ch 5: Outcomes of Democracy	Ch 6: Manufacturing Industries	Ch 4: Globalisation and the Indian Economy
DECEMBER	Revision	Revision	Revision	Revision

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ARTIFICIAL INTELLIGENCE			Transparency	Accountability
Month	Topic (Theory)	Practical		
APRIL	PART-B Subject Specific Skills AI Project Cycle (Overview) The overview of the six stages of AI Project Cycle AI Domains and Technologies Data Science Computer Vision Natural Language Processing AI, ML and DL Differentiate between AI, ML and DL Common terminologies used with data PART-A Employability Skills: Communication Skills Methods and types of communication Feedback in Communications Principles and Barriers of Effective Communications Basic Writing Skills	Python Basics Tokens: Keywords/Identifiers/Literals/ Operators/Punctuators Escape sequence Comment/expressions/statement/ function/blocks and indentations Variables and assignment Static and Dynamic typing	Computer Vision Computer Vision v/s Image Processing Applications of CV Facial Recognition Face Filters Google Search by Image Computer Vision in retail Self-Driving cars Medical Imaging Google Translate App Computer Vision Tasks Classification Classification + Localisation Object Detection Image Segmentation Basics of Images and Pixels Resolution & Pixel Value Grayscale & RGB Images No code AI for Statistical Data Meaning of No-Code AI No-Code and Low-Code. Some no-code tools No-Code AI tools	Jupyter Notebook and Library Numpy Pandas Matplotlib OpenCV
	Ethical Frameworks of AI Frameworks Ethical frameworks Need of Ethical Frameworks for AI Factors that influence our decision- making Types of Ethical Framework Bioethics and its principles A use case of Bioethics	Basic Programs of Python: Welcome Message Program Area of a rectangle Conversion of miles to KM		
	Neural Network What is neural network? How does AI make a decision?	Data Types Numbers/String/List/Tuple/Dictionary		
JUNE			OCTOBER	Convolution/ CNN (Convolutional Neural Network) What is Kernel? Convolution Layer Rectified Linear Unit Pooling Layer Fully Connected Layer Holiday Assignments (15 Marks)
JULY	Types of AI models –Rule based, Learning based Categories of Machine learning based models – Supervised, Unsupervised and Reinforcement learning models Sub-categories of Supervised Learning Model Classification, Regression Un-categories of Unsupervised Learning Model – Clustering, Association Reinforcement: Positive/Negative	Programs to obtain three numbers and print their sum Operators in Python Program to calculate BMI (Body Mass Index) Program to find cube of a number		
AUGUST	Importance of Model Evaluation What is evaluation? Why do we need a model evaluation? Splitting the training set data for Evaluation What is Train-test split? Why do we need to do Train- test split? What is Accuracy and Error Accuracy Error Evaluation metrics for classification What is Classification? Classification metrics Confusion matrix Accuracy from Confusion matrix Precision from Confusion matrix Recall from Confusion matrix F1 Score Ethical concerns around model evaluation Bias	Programs to input values in KM and convert in miles Program to input values in Tons and convert in quintals and KG Programs to write a small poem Programs to input two numbers and swap them Python conditions and loops If/if-else/for /while loop Operators in/not in Range() function		
			NOVEMBER	Concepts of NLP: Features of natural language Computer language Importance of NLP Applications of Natural Language Processing Voice Assistants Auto generated captions Language translation Sentiment analysis Text classification Keyword extraction Stages of Natural Language Processing (NLP) Lexical Analysis Syntactic Analysis Semantic Analysis Discourse Integration Pragmatic Analysis Chatbots Differences between a Script bot and a Smart bot Text Processing Text Normalization Bag of words

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		TFIDF Applications of TFIDF	
		Practical Test (15 marks)	
DECEMBER	Revision Dec 10 to Dec 21 2026	PreBoards I	
JANUARY	Jan 5 to Jan 16th 2027	PreBoards II	
SCIENCE			
MONTH	PHYSICS	CHEMISTRY	BIOLOGY
APRIL	Ch:-9 Light: Reflection and Refraction	Ch-1: Chemical Reactions and Equations	Ch-5: Life Processes
MAY	Ch:-9 Light: Reflection and Refraction-continues	Ch-1: Chemical Reactions and Equations: continues	Ch-5: Life Processes: continues
JUNE	Ch:-9 Light: Reflection and Refraction-continues	Ch-2: Acids, Bases and Salts	Ch-5: Life Processes: continues
JULY	Ch:-10 The Human Eye and Colourful World	Ch-2: Acids, Bases and Salts: continues	Ch-6: Control and Coordination
AUG	Ch:-11 Electricity	Ch-3: Metals and Non-metals	Ch-7: How Do Organisms Reproduce
SEPT	Ch:-11 Electricity: continues	Ch-3: Metals and Non-metals: continues	Ch-7: How Do Organisms Reproduce: continues
OCT	Ch:-12 Magnetic effects of Electric current	Ch-4: Carbon and Its Compounds	Ch-13: Our Environment
NOV	Ch:-12 Magnetic effects of Electric current: continues	Ch-4: Carbon and Its Compounds: continues	Ch-8: Heredity
DEC	REVISION OF ENTIRE SYLLABUS	REVISION OF ENTIRE SYLLABUS	REVISION OF ENTIRE SYLLABUS