CLASS X - ENGLISH SYLLABUS (2024-25) ROSARY SR. SEC. SCHOOL

PERIODIC TEST-1	PERIODIC TEST-2	TERM-I	PERIODIC TEST-3	PREBOARD
May	**August**	**September**	**November**	**FIRST FLIGHT**
FIRST FLIGHT	**FIRST FLIGHT**	**FIRST FLIGHT**	**FIRST FLIGHT**	A Letter to God
A Letter to God	Nelson Mandela	A Letter to God	Madame Rides the Bus	Nelson Mandela
Dust of Snow	Two Stories about Flying (I & II)	Nelson Mandela	The Trees	Two Stories about Flying (I & II)
Fire and Ice	A Tiger in the Zoo	Two Stories about Flying (I & II)	Fog	From the Diary of Anne Frank
FOOTPRINTS WITHOUT FEET	**FOOTPRINTS WITHOUT FEET**	From the Diary of Anne Frank	**FEET**	Glimpses of India (I, II, III)
		Glimpses of India (I, II, III)		Mijbil the Otter
A Triumph of Surgery	The Thief's Story	Dust of Snow	Bholi	Madam Rides the Bus
GRAMMAR	**GRAMMAR**	Fire and Ice	The Making of a Scientist	The Sermon at Benares
Tenses	Modals	A Tiger in the Zoo	**GRAMMAR**	The Proposal (Play)
WRITING SKILLS	**WRITING SKILLS**	How to Tell Wild Animals	Subject-Verb Concord	Dust of Snow
Letter to the Editor	Writing Analytical Paragraph (Based on outline/data/ charts / cues etc)	**FOOTPRINTS WITHOUT FEET**	**WRITING SKILLS**	Fire and Ice
			Writing Analytical paragraph	A Tiger in the Zoo
		A Triumph of Surgery		How to Tell Wild Animals
		The Thief's Story		The Ball Poem
		The Midnight Visitor		Amanda!
		The Question of Trust		The Trees
		Footprints Without Feet		Fog
		GRAMMAR		The Tale of Custard the Dragon
		Tenses		For Anne Gregory
		Modals		**FOOTPRINTS WITHOUT FEET**
		Reported Speech		A Triumph of Surgery
		WRITING SKILLS		The Thief's Story
		Letter to the Editor (Complaint, Enquiry, Views & Concerns)		The Midnight Visitor
				The Question of Trust
		Writing Analytical Paragraph (Based on outline/data/ charts / cues etc)		Footprints Without Feet
				The Making of a Scientist
				The Necklace
				Bholi
				The Book that Saved the Earth
				GRAMMAR
				Tenses & Reported Speech
				Modals & Determiners
				Subject-Verb Concord
				If Clauses
				WRITING SKILLS
				Formal Letter -Letter to the Editor (Complaint, Enquiry, Views & Concerns)-Business Letter (Placing an order etc)
				Writing Analytical Para (Based on outline/data/charts/cues ets)

SYLLABUS FOR CLASS X MATHEMATICS (2024-25)

PT 1

Ch 1	Real Numbers
Ch 2	Polynomials

PT2

Ch 7	Coordinate Geometry
Ch 14	Probability

MID TERM

Ch 1	Real Numbers
Ch 2	Polynomials
Ch 3	Pair of Linear Equations in Two Variables
Ch 6	Triangles
Ch 7	Coordinate Geometry
Ch 8	Introduction to Trigonometry
Ch 11	Areas Related to Circles
Ch 14	Probability

PT3

Ch 4	Quadratic Equations
Ch 5	Arithmetic Progressions

Preboard

Ch 1	Real Numbers
Ch 2	Polynomials
Ch 3	Pair of Linear Equations in Two Variables
Ch 4	Quadratic Equations
Ch 5	Arithmetic Progressions
Ch 6	Triangles
Ch 7	Coordinate Geometry
Ch 8	Introduction to Trigonometry
Ch 9	Some Applications of Trigonometry
Ch 10	Circles
Ch 11	Areas Related to Circles
Ch 12	Surface Areas and Volumes
Ch 13	Statistics
Ch 14	Probability

ROSARY SR.SEC.SCHOOL
CLASS-10 SCIENCE SYLLABUS (2024-25)

PHYSICS:

PERIODIC TEST 1-MAY:CH -9 LIGHT -TILL MIRROR FORMULA AND MAGNIFIACTION

PERIODIC TEST 2: AUGUST CH-10 HUMAN EYE & COLOURFUL WORLD

MIDTERM -SEPTEMBER

CH -9 LIGHT

CH-10   HUMAN EYE & COLOURFUL WORLD

TERM 2:

PERIODIC TEST 3-NOVEMBER

CH-11 ELECTRICITY

PREBOARD (JANUARY)

CH-9   LIGHT

CH-10   HUMAN EYE & THE COLORFUL WORLD

CH- 11   ELECTRICITY

CH-12   MAGNETIC EFFECTS OF ELECTRIC CURRENT

CHEMISTRY:
PERIODIC TEST -1(MAY)

CHAPTER 1 CHEMICAL REACTIONS AND EQUATIONS (FROM PAGE 1 TO 10 TILL INTEXT QUESTIONS)

PERIODIC TEST 2: (AUGUST)

CHAPTER 2: ACIDS,BASES AND SALTS (FROM PAGE NO 17 TO 25 TILL INTEXT QUESTIONS)

MID TERM (SEPTEMBER)

CHAPTER 1 CHEMICAL REACTIONS AND EQUATIONS

CHAPTER 2 ACIDS ,BASES AND SALTS

PERIODIC TEST -3 (NOVEMBER)

CH-3 METALS AND NONMETALS

PRE BOARD EXAM (JANUARY)

CHAPTER 1 CHEMICAL REACTIONS AND EQUATIONS

CHAPTER 2 ACIDS ,BASES AND SALTS

CHAPTER 3 METALS AND NONMETALS

CHAPTER 4 CARBON AND ITS COMPOUNDS

BIOLOGY:

PERIODIC TEST 1-: CH-5, LIFE PROCESSES, TILL PLANT NUTRITION   **(MAY)**

PERIODIC TEST 2-:   CH-5, LIFE PROCESSES   **(AUGUST)**

MID TERM-:   CH-5 LIFE PROCESSES.   **(SEPTEMBER)**
                    CH-6 CONTROL AND CORDINATION
                    CH-13 OUR ENVIRONMENT

PERIODIC TEST 3-:   CH-7, HOW DO ORGANISM REPRODUCE?   **(NOVEMBER)**
                    TILL TOPIC 7.2(MODE OF REPRODUCTION USED BY SINGLE
                    ORGANISMS.

PRE BOARD EXAM-:   CH-5, LIFE PROCESSES   **(JANUARY)**
                    CH-6 CONTROL AND CORDINATION
                    CH-7, HOW DO ORGANISM REPRODUCE?
                    CH-8 HEREDITY
                     CH-13 OUR ENVIRONMENT

परीक्षा हेतु पाठ्यक्रम सत्र 2024–25
कक्षा   दसवीं
विषय   हिंदी

पीरियॉडिक 1 (मई)

पाठ्यपुस्तक स्पर्श भाग 2	संचयन भाग – 2	व्याकरण
गद्य खंड बड़े भाईसाहब **काव्य खंड** कबीर की साखी	हरिहर काका	समास मुहावरे

पीरियॉडिक 2 (अगस्त)

पाठ्यपुस्तक स्पर्श भाग 2	अपठित बोध	व्याकरण
गद्य खंड डायरी का एक पन्ना तताँरा वामीरो कथा **काव्य खंड** मीरा के पद मनुष्यता	अपठित गद्यांश	रचना के आधार पर वाक्य रूपांतरण

प्रथम सत्र (सितंबर)

पाठ्यपुस्तक स्पर्श भाग 2	संचयन भाग – 2	व्याकरण एवं रचनात्मक लेखन
गद्य खंड बड़े भाईसाहब डायरी का एक पन्ना तताँरा वामीरो कथा तीसरी कसम के शिल्पकार शैलेन्द्र **काव्य खंड** कबीर की साखी मीरा के पद मनुष्यता पर्वत प्रदेश में पावस	हरिहर काका	अपठित गद्यांश पदबंध रचना के आधार पर वाक्य रूपांतरण समास मुहावरे अनुच्छेद– लेखन औपचारिक पत्र सूचना – लेखन विज्ञापन –लेखन लघुकथा–लेखन अथवा औपचारिक ईमेल लेखन

पीरियॉडिक 3 (नवंबर)

पाठ्यपुस्तक स्पर्श भाग 2	संचयन भाग – 2	व्याकरण
गद्य खंड तीसरी कसम के शिल्पकार शैलेन्द्र पतझर में टूटी पत्तियाँ **काव्य खंड** तोप कर चले हम फिदा	सपनों के से दिन	पदबंध रचना के आधार पर वाक्य रूपांतरण

नोट : प्री बोर्ड /वार्षिक परीक्षा में हटाए गए पाठों को छोड़कर सम्पूर्ण पाठ्यक्रम से प्रश्न पूछे जाएंगे।

SYLLABUS CLASS X-2024-25

PERIODIC TEST -1

GEOGRAPHY	CH-1	RESOURCES AND DEVELOPMENT
ECONOMICS	CH-1	DEVELOPMENT

MID - TERM EXAMINATION

GEOGRAPHY	CH-1	RESOURCES AND DEVELOPMENT
GEOGRAPHY	CH-2	FOREST AND WILDLIFE RESOURCES
GEOGRAPHY	CH-3	WATER RESOURCES
GEOGRAPHY	CH-4	AGRICULTURE
POL. SCIENCE	CH-1	POWER SHARING
POL. SCIENCE	CH-2	FEDERALISM
POL. SCIENCE	CH-3	GENDER, RELIGION AND CASTE
ECONOMICS	CH-1	DEVELOPMENT
ECONOMICS	CH-2	SECTORS OF THE INDIAN ECONOMY
ECONOMICS	CH-4	GLOBALISATION AND THE INDIAN ECONOMY (MEANING & FACTORS)
HISTORY	CH-1	THE RISE OF NATIONALISM IN EUROPE
HISTORY	CH-2	NATIONALISM IN INDIA
HISTORY	CH-3	MAKING OF THE GLOBAL WORLD (SUB TOPICS-1 to1.3)

PERIODIC TEST -2

GEOGRAPHY	*CH-5*	MINERAL AND ENERGY RESOURCES
HISTORY	*CH-4*	AGE OF INDUSTRIALISATION *(only to be assessed for Periodic test*)
GEOGRAPHY	*CH-7*	LIFELINES OF THE NATIONAL ECONOMY (**only maps**)

PERIODIC TEST -3

GEOGRAPHY	CH-6	MANUFACTURING INDUSTRIES
POL.SCIENCE	CH-4	POLITICAL PARTIES

PRE -BOARDS

GEOGRAPHY	CH-1	RESOURCES AND DEVELOPMENT
GEOGRAPHY	CH-2	FOREST AND WILDLIFE RESOURCES
GEOGRAPHY	CH-3	WATER RESOURCES
GEOGRAPHY	CH-4	AGRICULTURE
GEOGRAPHY	Ch-5	MINERAL AND ENERGY RESOURCES
GEOGRAPHY	CH-6	MANUFACTURING INDUSTRIES
GEOGRAPHY	CH-7	LIFELINES OF THE NATIONAL ECONOMY (ONLY MAPS)
POL. SCIENCE	CH-1	POWER SHARING
POL. SCIENCE	CH-2	FEDERALISM
POL. SCIENCE	CH-3	GENDER, RELIGION AND CASTE
POL.SCIENCE	CH-4	POLITICAL PARTIES
POL.SCIENCE	CH-5	OUTCOMES OF DEMOCRACY
ECONOMICS	CH-1	DEVELOPMENT
ECONOMICS	CH-2	SECTORS OF THE INDIAN ECONOMY
ECONOMICS	CH-3	MONEY AND CREDIT
ECONOMICS	CH-4	GLOBALISATION AND THE INDIAN ECONOMY (MEANING & FACTORS)
HISTORY	CH-1	THE RISE OF NATIONALISM IN EUROPE
HISTORY	CH-2	NATIONALISM IN INDIA
HISTORY	CH-3	MAKING OF THE GLOBAL WORLD (SUB TOPICS-1 to1.3)
HISTORY	CH-4	AGE OF INDUSTRIALISATION (ONLY TO BE ASSESSED FOR PERIODIC TEST)
HISTORY	CH-5	PRINT CULTURE AND THE MODERN WORLD

MAPS

(History)Ch-1Nationalism in India
I. Congress sessions:
- 1920 Calcutta
- 1920 Nagpur
- 1927 Madras session

II. 3 Satyagraha movements:
- Kheda
- Champaran
- Ahmedabad mill workers

III. **Jallianwala Bagh**
IV. Dandi March

(Geography)
Ch -1 Resources and Development Identify Major Soil Types
Ch-3   Water Resources Locating and Labeling:
- Salal
- Bhakra Nangal
- Tehri
- Rana Pratap Sagar
- Sardar Sarovar
- Hirakund
- Nagarjun Sagar
- Tuhgabhadra

Ch-4 Agriculture Identify:
- Major areas of Rice and Wheat
- Largest/Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and
- Jute

Ch-5 Minerals and Energy Resources
Identify:
I. Iron Ore mines
- Mayurbhanj
- Durg
- Bailadila
- Bellary
- Kudremukh

II. Coal Mines
- Raniganj
- Bokaro
- Talcher
- Neyveli

III. Oil Fields
- Digboi
- Naharkatia
- Mumbai High
- Bassien
- Kalol
- Ankaleshwar

Locate and label: Power Plants
I.Thermal
- Namrup
- Singrauli
- Ramagundam

II. Nuclear
- Narora
- Kakrapara
- Tarapur
- Kalpakkam

Ch-6 Manufacturing Industries
(Locating and labeling only)
I. Cotton textile Industries:
- Mumbai

- Indore
- Surat,
- Kanpur,
- Coimbatore

II.Iron and Steel Plants:
- Durgapur
- Bokaro
- Jamshedpur
- Bhilai
- Vijayanagar
- Salem

III.Software technology Parks:
- Noida
- Gandhinagar
- Mumbai
- Pune
- Hyderabad
- f.Bengaluru
- Chennai
- Thiruvananthapuram

Ch-7 Lifelines of National Economy (Locating and Labeling)
I. Major Sea Ports
- Kandla
- Mumbai
- Marmagao
- New Mangalore
- Kochi
- Tuticorin
- Chennai
- Visakhapatnam
- Paradip
- Haldia

II. International Airports
- Amritsar (Raja Sansi-Sri Guru Ram Dasjee)
- Delhi (Indira Gandhi)
- Mumbai (Chhatrapati Shivaji)
- Chennai (Meenam Bakkam)
- Kolkata (Netaji Subhash Chandra Bose)
- Hyderabad (Rajiv Gandhi)

CLASS 10 MID TERM - ARTIFICIAL INTELLIGENCE - BLUEPRINT				
TOPIC	**1 mark** **Objective**	**2 marks** **Short Ans.**	**4 marks** **Long Ans.**	**Total** **Marks**
PART B – Subject Specific Skills				
Introduction To AI	6	2	1	
AI Project Cycle	6	3	1	
Data Science	6	2	1	
Computer Vision	6	2	1	
NLP	6	2	1	
Total No. of Questions	30	11	5	
No. of questions to be Answered	24 1 X 24=24	7 2 X 7 = 14	3 4 X 3=12	50

CLASS 10 PREBOARD - ARTIFICIAL INTELLIGENCE –BLUEPRINT				
TOPIC	1 mark Objective	2 marks Short Ans.	4 marks Long Ans.	Total
PART A Employability Skills				
Communication Skills II	1	1	----	----
Self-Management Skills - II	2	1	----	----
ICT Skills - II	1	1	----	----
Entrepreneurial Skills - II	1	1	----	----
Green Skills - II	1	1	----	----
Total No. of Questions	6	5	----	----
No. of questions to be Answered	Any 4 1 x 4 = 4	Any 3 2 x 3 =6	----	10
PART B – Subject Specific Skills				
Introduction To AI	5	1	1	----
AI Project Cycle	3	1	2	----
Data Science	3	1	----	----
Computer Vision	3	1	----	----
NLP	5	1	1	----
Evaluation	5	1	1	----
Total No. of Questions	24	6	5	----
No. of questions to be Answered	Any 20 1 x 20=20	Any 4 2 x 4=8	Any 3 3 x 4=12	40

ARTIFICIAL INTELLIGENCE (SUBJECT CODE 417)
CLASS – X MID TERM EXAM SYLLABUS
(SESSION 2024-2025)

Total Marks: 100 (Theory-50 + Practical-50)

	UNITS	MAX. MARKS for Theory and Practical
PART B	**Subject Specific Skills**	
	Unit 1: Introduction to Artificial Intelligence (AI)	12
	Unit 2: AI Project Cycle	12
	Unit 3: Advance Python *(To be assessed in Practicals only)*	--
	Unit 4: Data Science (Introduction, Applications of Data Sciences, Data Science: Getting Started (up toData Access), *remaining portion is to be assessed in practical*	8
	Unit 5: Computer Vision (Introduction, Applications of Computer Vision, Computer Vision:Getting Started (up to RGB Images), *remaining portion is to be assessed in practical*	8
	Unit 6: Natural Language Processing	10
	Total	50
PART C	**Practical Work:** Practical File with minimum 10 Programs	15
	Practical Examination • Unit 3: Advance Python	15
	Viva Voce	5
	Total	**35**
PART D	Project Work / Field Visit / Student Portfolio	10
	Viva Voce	5
	Total	**15**
	GRAND TOTAL	**100**

ARTIFICIAL INTELLIGENCE (SUBJECT CODE 417)
CLASS – X PREBOARD EXAM SYLLABUS
(SESSION 2024-2025)

Total Marks: 100 (Theory-50 + Practical-50)

	UNITS		MAX. MARKS for Theory and Practical
PART A	**Employability Skills**		
	Unit 1: Communication Skills-II		2
	Unit 2: Self-Management Skills-II		2
	Unit 3: ICT Skills-II		2
	Unit 4: Entrepreneurial Skills-II		2
	Unit 5: Green Skills-II		2
		Total	**10**
PART B	**Subject Specific Skills**		
	Unit 1: Introduction to Artificial Intelligence (AI)		7
	Unit 2: AI Project Cycle		9
	Unit 3: Advance Python *(To be assessed in Practicals only)*		--
	Unit 4: Data Science (Introduction, Applications of Data Sciences, Data Science: Getting Started (up to Data Access), *remaining portion is to be assessed in practical*		4
	Unit 5: Computer Vision (Introduction, Applications of Computer Vision, Computer Vision: Getting Started (up to RGB Images), *remaining portion is to be assessed in practical*		4
	Unit 6: Natural Language Processing		8
	Unit 7: Evaluation		8
		Total	**40**
PART C	**Practical Work:** Practical File with minimum 15 Programs		15
	Practical Examination		5
	• Unit 3: Advance Python		5
	• Unit 4: Data Science		
	• Unit 5: Computer Vision		5
	Viva Voce		5
		Total	**35**
PART D	Project Work / Field Visit / Student Portfolio		10
	Viva Voce		5
		Total	**15**
	GRAND TOTAL		**100**