

## 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
<b>FIRST FLIGHT</b>	<b>FIRST FLIGHT</b>	<b>FIRST FLIGHT</b>	<b>FIRST FLIGHT</b>	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
<b>FOOTPRINTS WITHOUT FEET</b>	<b>FOOTPRINTS WITHOUT FEET</b>	From the Diary of Anne Frank	<b>FEET</b>	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
<b>GRAMMAR</b>	<b>GRAMMAR</b>	Fire and Ice	The Making of a Scientist	The Sermon at Benares
Tenses	Modals	A Tiger in the Zoo	<b>GRAMMAR</b>	The Proposal (Play)
<b>WRITING SKILLS</b>	<b>WRITING SKILLS</b>	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)	<b>FOOTPRINTS WITHOUT FEET</b>	<b>WRITING SKILLS</b>	Fire and Ice
		A Triumph of Surgery	Writing Analytical paragraph	A Tiger in the Zoo
		The Thief's Story		How to Tell Wild Animals
		The Midnight Visitor		The Ball Poem
		The Question of Trust		Amanda!
		Footprints Without Feet		The Trees
		<b>GRAMMAR</b>		Fog
		Tenses		The Tale of Custard the Dragon
		Modals		For Anne Gregory
		Reported Speech		<b>FOOTPRINTS WITHOUT FEET</b>
		<b>WRITING SKILLS</b>		A Triumph of Surgery
				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
				<b>GRAMMAR</b>
				Tenses & Reported Speech
				Modals & Determiners
				Subject-Verb Concord
				If Clauses
				<b>WRITING SKILLS</b>
				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 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 MAGNIFICATION**

**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
<b>गद्य खंड</b> बड़े भाईसाहब <b>काव्य खंड</b> कबीर की साखी	हरिहर काका	समास मुहावरे

पीरियॉडिक 2 (अगस्त)

पाठ्यपुस्तक स्पर्श भाग 2	अपठित बोध	व्याकरण
<b>गद्य खंड</b> डायरी का एक पन्ना ततौरा वामीरो कथा <b>काव्य खंड</b> 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
<b>गद्य खंड</b> बड़े भाईसाहब डायरी का एक पन्ना ततौरा वामीरो कथा तीसरी कसम के शिल्पकार शैलेन्द्र <b>काव्य खंड</b> 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**

<b>GEOGRAPHY</b>	CH-1	RESOURCES AND DEVELOPMENT
<b>ECONOMICS</b>	CH-1	DEVELOPMENT

**MID - TERM EXAMINATION**

<b>GEOGRAPHY</b>	CH-1	RESOURCES AND DEVELOPMENT
<b>GEOGRAPHY</b>	CH-2	FOREST AND WILDLIFE RESOURCES
<b>GEOGRAPHY</b>	CH-3	WATER RESOURCES
<b>GEOGRAPHY</b>	CH-4	AGRICULTURE
<b>POL. SCIENCE</b>	CH-1	POWER SHARING
<b>POL. SCIENCE</b>	CH-2	FEDERALISM
<b>POL. SCIENCE</b>	CH-3	GENDER, RELIGION AND CASTE
<b>ECONOMICS</b>	CH-1	DEVELOPMENT
<b>ECONOMICS</b>	CH-2	SECTORS OF THE INDIAN ECONOMY
<b>ECONOMICS</b>	CH-4	GLOBALISATION AND THE INDIAN ECONOMY (MEANING & FACTORS)
<b>HISTORY</b>	CH-1	THE RISE OF NATIONALISM IN EUROPE
<b>HISTORY</b>	CH-2	NATIONALISM IN INDIA
<b>HISTORY</b>	CH-3	MAKING OF THE GLOBAL WORLD (SUB TOPICS-1 to 1.3)

**PERIODIC TEST -2**

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

**PERIODIC TEST -3**

<b>GEOGRAPHY</b>	CH-6	MANUFACTURING INDUSTRIES
<b>POL.SCIENCE</b>	CH-4	POLITICAL PARTIES

## **PRE -BOARDS**

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

<b>CLASS 10 MID TERM - ARTIFICIAL INTELLIGENCE - BLUEPRINT</b>				
<b>TOPIC</b>	<b>1 mark Objective</b>	<b>2 marks Short Ans.</b>	<b>4 marks Long Ans.</b>	<b>Total Marks</b>
<b>PART B – Subject Specific Skills</b>				
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

<b>CLASS 10 PREBOARD - ARTIFICIAL INTELLIGENCE –BLUEPRINT</b>				
<b>TOPIC</b>	<b>1 mark Objective</b>	<b>2 marks Short Ans.</b>	<b>4 marks Long Ans.</b>	<b>Total</b>
<b>PART A Employability Skills</b>				
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 $1 \times 4 = 4$	Any 3 $2 \times 3 = 6$	----	10
<b>PART B – Subject Specific Skills</b>				
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 $1 \times 20 = 20$	Any 4 $2 \times 4 = 8$	Any 3 $3 \times 4 = 12$	40

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

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

	<b>UNITS</b>	<b>MAX. MARKS for Theory and Practical</b>
<b>PART B</b>	<b>Subject Specific Skills</b>	
	Unit 1: Introduction to Artificial Intelligence (AI)	12
	Unit 2: AI Project Cycle	12
	Unit 3: Advance Python <i>(To be assessed in Practicals only)</i>	--
	Unit 4: Data Science (Introduction, Applications of Data Sciences, Data Science: Getting Started (up to Data Access), <i>remaining portion is to be assessed in practical</i> )	8
	Unit 5: Computer Vision (Introduction, Applications of Computer Vision, Computer Vision: Getting Started (up to RGB Images), <i>remaining portion is to be assessed in practical</i> )	8
	Unit 6: Natural Language Processing	10
	<b>Total</b>	<b>50</b>
<b>PART C</b>	<b>Practical Work:</b> Practical File with minimum 10 Programs	15
	Practical Examination <ul style="list-style-type: none"> <li>• Unit 3: Advance Python</li> </ul>	15
	Viva Voce	5
	<b>Total</b>	<b>35</b>
<b>PART D</b>	Project Work / Field Visit / Student Portfolio	10
	Viva Voce	5
	<b>Total</b>	<b>15</b>
	<b>GRAND TOTAL</b>	<b>100</b>

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

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

	<b>UNITS</b>	<b>MAX. MARKS for Theory and Practical</b>
<b>PART A</b>	<b>Employability Skills</b>	
	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
	<b>Total</b>	<b>10</b>
<b>PART B</b>	<b>Subject Specific Skills</b>	
	Unit 1: Introduction to Artificial Intelligence (AI)	7
	Unit 2: AI Project Cycle	9
	Unit 3: Advance Python ( <i>To be assessed in Practicals only</i> )	--
	Unit 4: Data Science (Introduction, Applications of Data Sciences, Data Science: Getting Started (up to Data Access), <i>remaining portion is to be assessed in practical</i> )	4
	Unit 5: Computer Vision (Introduction, Applications of Computer Vision, Computer Vision: Getting Started (up to RGB Images), <i>remaining portion is to be assessed in practical</i> )	4
	Unit 6: Natural Language Processing	8
	Unit 7: Evaluation	8
	<b>Total</b>	<b>40</b>
<b>PART C</b>	<b>Practical Work:</b> Practical File with minimum 15 Programs	15
	Practical Examination	5
	<ul style="list-style-type: none"> <li>• Unit 3: Advance Python</li> <li>• Unit 4: Data Science</li> <li>• Unit 5: Computer Vision</li> </ul>	5
	Viva Voce	5
	<b>Total</b>	<b>35</b>
<b>PART D</b>	Project Work / Field Visit / Student Portfolio	10
	Viva Voce	5
	<b>Total</b>	<b>15</b>
<b>GRAND TOTAL</b>		<b>100</b>