



St. XAVIER'S HIGH SCHOOL

EDUCATION FOR ALL

BANKURA, WB
Affiliation No.: 2430130

Affiliated to CBSE (New Delhi) 10+2 level
School Code: 15720

SYLLABUS OF 2024-25

STD. – X

SUBJECT: ENGLISH

MONTH	NO. OF WORKING DAYS	ALLOTTED NO. OF PERIOD	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.
APRIL	21		FIRST FLIGHT	1	A LETTER TO GOD	1-13
			FIRST FLIGHT	1	DUST OF SNOW	14-15
			FIRST FLIGHT	1	FIRE AND ICE	15-16
			FOOTPRINTS WITHOUT FEET	1	A TRIUMPH OF SURGERY	1-7
			GRAMMAR	-	TENSES AND SUBJECT VERB AGREEMENT	-
MAY	14		FIRST FLIGHT	2	NELSON MANDELA: LONG WALK TO FREEDOM	16-28
			FOOTPRINTS WITHOUT FEET	2	THE THIEF'S STORY	8-13
			FIRST FLIGHT	2	A TIGER IN THE ZOO	29-31
			WRITING SKILLS	-	FORMAL LETTER -(I)EDITORIAL LETTER (II) COMPLAINT LETTER (III) ENQUIRY LETTER (IV) PLACING AN ORDER	
JUNE	10		FIRST FLIGHT	3	TWO STORIES ABOUT FLYING	32-42
			FOOTPRINTS WITHOUT FEET	3	THE MIDNIGHT VISITOR	14-19
JULY	26		FIRST FLIGHT	3	HOW TO TELL WILD ANIMALS	43-45
			FIRST FLIGHT	3	THE BALL POEM	46-47
			FIRST FLIGHT	4	FROM THE DIARY OF ANNE FRANK	48-60
					AMANDA	61-62
			GRAMMAR	-	REPORTED SPEECH	-
			FIRST FLIGHT	7	GLIMPSES OF INDIA	85-98
AUGUST	24		FOOTPRINTS WITHOUT FEET	4	A QUESTION OF TRUST	20-25
			FIRST FLIGHT	7	THE TREES	99-101
			WRITING SKILLS	-	ANALYTICAL PARAGRAPH	-
			FIRST FLIGHT	8	MIJBIL THE OTTER AND FOG	102-115
			FOOTPRINTS WITHOUT FEET	5	FOOTPRINTS WITHOUT FEET	26-31
			FIRST FLIGHT	9	MADAM RIDES THE BUS	116-128
SEPTEMBER	20 (+01)*		FIRST FLIGHT	9	THE TALE OF CUSTARD THE DRAGON	129-132
				10	THE SERMON AT BENARES	133-139
			FOOTPRINTS WITHOUT FEET	6	THE MAKING OF SCIENTIST	32-38
				7	THE NECKLACE	39-46
			FIRST FLIGHT	10	FOR ANNE GREGORY	140-141

			FOOTPRINTS WITHOUT FEET	9	BHOLI	54-62
			REVISION + HALF-YEARLY EXAM			
			HALF-YEARLY EXAM			
OCTOBER	09 (+06)*		FOOTPRINTS WITHOUT FEET	10	THE BOOK THAT SAVED THE EARTH	63
			GRAMMAR	-	DETERMINERS AND MODALS	-
NOVEMBER	20		FIRST FLIGHT	11	THE PROPOSAL	141
			REVISION			
DECEMBER	19		REVISION			
JANUARY	24		REVISION			
FEBRUARY	21		REVISION			
MARCH	10 (+07)*		REVISION + ANNUAL EXAM			

SUBJECT- HINDI

MONTH	NO. OF WORKING DAYS	ALLOTTED NO. OF PERIOD	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.
APRIL	21	15	क्षितिज-2	1	सूरदास के पद	3-9
				10	नेताजी का चरमा	59-67
			कृतिका-2	1	माता का अंचल	1-9
			व्याकरण	-	रचना के आधार पर वाक्य भेद	-
MAY	14	12	क्षितिज-2	2	राम-लक्ष्मण-पशुराम-संवाद	10-18
				11	बालगोबिन भगत	68-76
			व्याकरण	-	अपठित गद्यांश और काव्यांश	-
JUNE	10	7	क्षितिज-2	4	आत्माकथ्य	26-30
				5	उत्साह	31-36
				5	अट नहीं रही है	31-36
				12	लखनवी अंदाज	77-82
			व्याकरण	-	वाच्य	-
JULY	26	17	क्षितिज-2	6	यह दंतुरित मुस्कान	37-43
				6	फसल	37-43
				14	एक कहानी यह भी	91-104
			कृतिका-2	3	साना-साना हाथ जोड़ि	17-30
			व्याकरण	-	पद परिचय	-
				-	अलंकार	-
				-	स्ववृत्त	-
				-	ई-मेल लेखन	-
AUGUST	24	18	क्षितिज-2	9	संगतकार	52-56
				16	नौबतखाने में इबादत	114-125
			व्याकरण	-	विज्ञापन लेखन	-
			-	-	संदेश लेखन	-
SEPTEMBER	20 (+01)*	15			REVISION	
			REVISION + HALF-YEARLY EXAM			
			HALF-YEARLY EXAM			
OCTOBER	09 (+06)*	14	क्षितिज-2	17	संस्कृति	126-132
			कृतिका-2	5	मैं क्यों लिखता हूँ ?	42-46
NOVEMBER	20	14			REVISION	
JANUARY	24	17			REVISION	
FEBRUARY	21	15			REVISION	
MARCH	10 (+07)*				REVISION + ANNUAL EXAM	

SUBJECT- BENGALI

MONTH	NO. OF WORKING DAYS	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.
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APRIL	21	SAHITYA SANCHAYAN	02	GYANCHAKSHU – ASHAPURNA DEVI (PROSE)	10
		SAHITYA SANCHAYAN	01	TINPAHARER KOLE - SHAKTI CHATTAPADHYAY (POEM)	08
		SARASWATI BANGLA BYAKARAN O RACHANA	01	SANDHI (BYANJANSANDHI, BISARGASANDHI) (GRAMMAR)	107
MAY	14	SAHITYA SANCHAYAN	04	ALOBABU – BANAPHUL (PROSE)	30
		SAHITYA SANCHAYAN	03	AAY ARO BENDHE BENDHE THAKI – SHANKHA GHOSH (POEM)	28
		SARASWATI BANGLA BYAKARAN O RACHANA	01	UNSEEN PASSAGE	77
JUNE	10	REVISION + PT-I EXAM			
JULY	26	SAHITYA SANCHAYAN	07	ADAL BODOL – PANNALAL PATEL (PROSE)	110
		SAHITYA SANCHAYAN	05	EKAKARE – SUBHAS MUKHOPADHYAY (POEM)	72
		GOPLOGUCCHA (PATHYA SANSKORAN)	01	POSTMASTER (STORY)	--
		GOPLOGUCCHA (PATHYA SANSKORAN)	02	KABULIWALA (STORY)	--
AUGUST	24	SARASWATI BANGLA BYAKARAN O RACHANA	04	BAKYA PARIBARTAN (SARAL, JOTIL, JOUGIK) (GRAMMAR)	120
		SARASWATI BANGLA BYAKARAN O RACHANA	01	LETTERS TO THE EDITOR	--
		SARASWATI BANGLA BYAKARAN O RACHANA	01	UNSEEN PASSAGE	77
		REVISION + PT-II EXAM			
SEPTEMBER	20	SAHITYA SANCHAYAN	06	BOHURUPI – SUBODH GHOSH (PROSE)	74
		SARASWATI BANGLA BYAKARAN O RACHANA	03	SOMAS (DWANDWA, KARMADHARAY, ABYAYIBHAB) (GRAMMAR)	116
		REVISION			
OCTOBER	09	PT-III EXAM			
		SAHITYA SANCHAYAN	08	ASTRER BIRUDDHE GAAN - JOY GOSWAMI (POEM)	122
		SARASWATI BANGLA BYAKARAN O RACHANA	02	SADHU O CHALIT BHASHAY RUPANTAR (GRAMMAR)	124
NOVEMBER	20	GOPLOGUCCHA (PATHYA SANSKORAN)	11-19	DAAN PRATIDAAN (STORY)	--
		SARASWATI BANGLA	02	PARAGRAPH WRITING	94

		BYAKARAN O RACHANA			
		SARASWATI BANGLA BYAKARAN O RACHANA	01	UNSEEN PASSAGE	77
DECEMBER	19	FULL REVISION + PREBOARD EXAM			
JANUARY	24	FULL REVISION			
FEBRUARY	21	FULL REVISION + BOARD EXAM			
MARCH	10	BOARD EXAM			

SUBJECT- SCIENCE

MONTH	NO. OF WORKING DAYS	ALLOTTED NO. OF PERIOD	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.
APRIL	21		NCERT SCIENCE	1	CHEMICAL REACTIONS AND EQUATIONS	1-16
				6	LIFE PROCESSES	93-113
				10	LIGHT- REFLECTION AND REFRACTION	160-186
MAY	14			1	CHEMICAL REACTIONS AND EQUATIONS (CONTD)	1-16
			NCERT SCIENCE	6	LIFE PROCESSES (CONTD)	93-113
				10	LIGHT- REFLECTION AND REFRACTION (CONTD)	160-186
JUNE	10			2	ACID, BASES AND SALTS	17-36
			NCERT SCIENCE	7	CONTROL AND CO-ORDINATION	114-126
				11	THE HUMAN EYE AND COLOURFUL WORLD	187-198
REVISION + PT-I EXAM						
JULY	26			2	ACID, BASES AND SALTS(CONTD)	17-36
				7	CONTROL AND CO-ORDINATION(CONTD)	114-126
			NCERT SCIENCE	11	THE HUMAN EYE AND COLOURFUL WORLD (CONTD)	187-198
AUGUST	24			3	METALS AND NON- METALS	37-57
				8	HOW DO ORGANISMS REPRODUCE?	127-141
			NCERT SCIENCE	12	ELECTRICITY	199-222
			REVISION + PT-II EXAM			
SEPTEMBER	20		NCERT SCIENCE	3	METALS AND NON-METALS(CONTD)	37-57
				8	HOW DO ORGANISMS REPRODUCE?(CONTD)	127-141
				12	ELECTRICITY (CONTD)	199-222
REVISION + PT-III EXAM						
OCTOBER	09			4	CARBON AND ITS COMPOUNDS	58-78
			NCERT SCIENCE	9	HEREDITY AND EVOLUTION	142-159
				13	MAGNETIC EFFECTS OF ELECTRIC CURRENT	223-241
NOVEMBER	20			4	CARBON AND ITS COMPOUND(CONTD)	58-78
			NCERT SCIENCE	13	MAGNETIC EFFECT OF ELECTRIC CURRENT(CONTD)	223-241
				15	OUR ENVIRONMENT	256-265
DECEMBER	19		NCERT SCIENCE	16	SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES	266-280
FULL REVISION +PREBOARD EXAM						
JANUARY	24	FULL REVISION				
FEBRUARY	21	FULL REVISION+ BOARD EXAM				
MARCH	10	BOARD EXAM				

SUBJECT- SOCIAL SCIENCE

MONTH	NO. OF WORKING DAYS	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.	
APRIL	21	DEMOCRATIC POLITICS II	1.	POWER SHARING	1-12	
		UNDERSTANDING ECONOMIC DEVELOPMENT	1.	DEVELOPMENT	2-17	
		CONTEMPORARY INDIA	1	RESOURCES AND DEVELOPMENT	1-12	
		INDIA AND THE CONTEMPORARY WORLD	1	THE RISE OF NATIONALISM IN EUROPE	3-28	
MAY	14	DEMOCRATIC POLITICS II	2.	FEDERALISM	13-28	
		CONTEMPORARY INDIA	2	FOREST AND WILDLIFE RESOURCES	13-18	
		INDIA AND THE CONTEMPORARY WORLD	1	THE RISE OF NATIONALISM IN EUROPE	3-28	
JUNE	10	UNDERSTANDING ECONOMIC DEVELOPMENT	2.	SECTORS OF INDIAN ECONOMY	18-37	
		CONTEMPORARY INDIA	3	WATER RESOURCES	19-29	
		INDIA AND THE CONTEMPORARY WORLD	2	NATIONALISM IN INDIA	29-52	
JULY	26	DEMOCRATIC POLITICS II	3.	GENDER, RELIGION AND CASTE	39-56	
		UNDERSTANDING ECONOMIC DEVELOPMENT	2.	SECTORS OF INDIAN ECONOMY	18-37	
		CONTEMPORARY INDIA	3	WATER RESOURCES	19-29	
		INDIA AND THE CONTEMPORARY WORLD	2	NATIONALISM IN INDIA	29-52	
AUGUST	24	DEMOCRATIC POLITICS II	4.	POLITICAL PARTIES	71-88	
		UNDERSTANDING ECONOMIC DEVELOPMENT	3.	MONEY AND CREDIT	38-53	
		CONTEMPORARY INDIA	4	AGRICULTURE	30-41	
		INDIA AND THE CONTEMPORARY WORLD	3	THE MAKING OF THE GLOBAL WORLD	53-78	
SEPTEMBER	20 (+01)*	UNDERSTANDING ECONOMIC DEVELOPMENT	3.	MONEY AND CREDIT	38-53	
		CONTEMPORARY INDIA	4	AGRICULTURE	30-41	
REVISION + HALF-YEARLY EXAM						
OCTOBER	09 (+06)*	HALF-YEARLY EXAM				
		DEMOCRATIC POLITICS II	4.	POLITICAL PARTIES	71-88	
		CONTEMPORARY INDIA	5	MINERALS AND ENERGY RESOURCES	42-57	
		INDIA AND THE CONTEMPORARY WORLD	4	THE AGE OF INDUSTRIALISATION	79-104	
NOVEMBER	20	DEMOCRATIC POLITICS II	5.	OUTCOMES OF DEMOCRACY	89-100	

		UNDERSTANDING ECONOMIC DEVELOPMENT	4.	GLOBALISATION AND THE INDIAN ECONOMY	54-73
		CONTEMPORARY INDIA	6	MANUFACTURING INDUSTRIES	58-70
		INDIA AND THE CONTEMPORARY WORLD	4	THE AGE OF INDUSTRIALISATION	79-104
DECEMBER	19	UNDERSTANDING ECONOMIC DEVELOPMENT	5.	CONSUMER RIGHTS (PROJECT WORK)	74-89
		CONTEMPORARY INDIA	6	LIFELINES OF NATIONAL ECONOMY	71-83
		INDIA AND THE CONTEMPORARY WORLD	5	PRINT CULTURE AND THE MODERN WORLD	105-128
		FULL REVISION +PREBOARD EXAM			
JANUARY	24	REVISION			
FEBRUARY	21	REVISION			
MARCH	10 (+07)*	REVISION + ANNUAL EXAM			

SUBJECT- MATHEMATICS

MONTH	NO. OF WORKING DAYS	ALLOTTED NO. OF PERIOD	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.
APRIL	21		REAL NUMBER	1	FUNDAMENTAL THEOREM OF ARITHMETIC	2
					REVISITING IRRATIONAL NUMBERS	6
			POLYNOMIAL (NCERT)	02	ZEROS OF A POLYNOMIAL	11
				02	RELATIONSHIP BETWEEN ZEROS AND COEFFICIENTS OF QUADRATIC POLYNOMIALS.	18
			PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	03	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES AND GRAPHICAL METHOD OF THEIR SOLUTION, CONSISTENCY/INCONSISTENCY.	25
MAY	14			03	SOLVING OF PAIR OF L.E ,SUBSTITUTION METHOD,ELIMINATION METHOD	30-34
JUNE	10		QUADRATIC EQUATIONS	04	QUADRATIC EQUATIONS	39
				04	SOLUTION OF A QUADRATIC EQUATION BY FACTORISATION,NATURE OF ROOTS	42-44
REVISION + PT-I EXAM (24 JUNE TO 01 JULY)						
JULY	26		ARITHMETIC PROGRESSIONS	05	ARITHMETIC PROGRESSIONS	51
				05	N TH TERM OF AN AP	56
				05	SUM OF FIRST N TERMS OF AN AP	63
			COORDINATE GEOMETRY	7	INTRODUCTION DISTANCE FORMULA, SECTION FORMULA	99-106
			INTRODUCTION TO TRIGONOMETRY	8	INTRODUCTION,TRIGONOMETRY RATIO	113-121
					TRIGONOMETRY IDENTITIES	132
AUGUST	24		SOME APPLICATIONS OF TRIGONOMETRY	9	HEIGHTS AND DISTANCES	133
			CIRCLE	10	INTRODUCTION ,TANGENT TO A CIRCLE	144-145
					NUMBER OF TANGENTS FROM A POINT ON A CIRCLE	147
SEPTEMBER	20 (+01)*		TRIANGLES	6	INTRODUCTION,SIMILAR FIGURES	73-74
				6	SIMILARITY OF TRIANGLES, CRITERIA FOR SIMILARITY OF TRIANGLE	74-85
REVISION + HALF-YEARLY EXAM						

		HALF-YEARLY EXAM				
OCTOBER	09 (+06)*		AREAS RELATED TO CIRCLE	11	AREAS OF SECTOR AND SEGMENT OF CIRCLE	154
			SURFACE AREAS AND VOLUMES	12	SURFACE AREA OF A COMBINATION OF SOLIDS	162
				12	VOLUME OF A COMBINATION OF SOLIDS	167
NOVEMBER	20		STATISTICS	13	MEAN OF GROUPED DATA	171
				13	MODE OF GROUPED DATA	183
				13	MEDIAN OF GROUPED DATA	188
			PROBABILITY	14	A THEORETICAL APPROCH	202-207
DECEMBER	19				SAMPLE PAPER (SOLVING)	
					SAMPLE PAPER (SOLVING)	
PREBOARD EXAM						
JANUARY	24		SAMPLE PAPER			
FEBRUARY	21		REVISION			
MARCH	10 (+07)*		REVISION + ANNUAL EXAM			

SUBJECT : AI

SYLLABUS FOR 2024-2025						
CLASS: X			SUBJECT: AI			
MONTH	NO. OF WORKING DAYS	ALLOTTED NO. OF PERIOD	NAME OF BOOK	CHAPTER'S NO.	TOPIC	PAGE NO.
APRIL	21		iNTELLiCODE AI	UNIT-I (PART-A)	EMPLOYABILITY SKILLS I: Communication Skills II	4--18
			iNTELLiCODE AI	UNIT-I (PART-B)	UNIT: INTRODUCTION TO AI Foundational concepts of AI a) Introduction to AI and related terminologies. b) Introducing AI, ML & DL. b) Introduction to AI Domains (Data, CV & NLP) c)Applications of AI d)AI Ethics	49--77
			iNTELLiCODE AI	UNIT-III (PART-B)	ADVANCE PYTHON	109--167
MAY	14		iNTELLiCODE AI	UNIT-II (PART-A)	EMPLOYABILITY SKILLS: UNIT 2 SELF-MANAGEMENT SKILLS II	19--25
			iNTELLiCODE AI	UNIT-II (PART-B)	UNIT: AI PROJECT CYCLE , Introduction to AI Project Cycle , Understanding Problem Scoping & Sustainable Development Goals	78--108
JUNE	10		iNTELLiCODE AI	UNIT-I (PART-A) & UNIT-I,II (PART-B)	REVISION	
		PERIODIC TEST-1				
JULY	26		iNTELLiCODE AI	UNIT-III (PART-A)	EMPLOYABILITY SKILLS: UNIT 3: information and communication technology skills-II	26--39
			iNTELLiCODE AI	UNIT-II (PART-B)	UNIT 2: AI PROJECT CYCLE Data Acquisition Data Exploration Introduction to modeling • Introduction to Rule Based & Learning Based AI Approaches • Introduction to Supervised Unsupervised & Reinforcement Learning Models • Neural Networks Evaluation	78--108

			iNTELLiCODE AI	UNIT-II (PART-B)	UNIT 2: AI PROJECT CYCLE-- Modeling Session: Introduction to modelling • Introduction to Rule Based & Learning Based AI Approaches • Introduction to Supervised Unsupervised & Reinforcement Learning Models • Neural Networks Evaluation Session: Evaluating the idea	78--108
			iNTELLiCODE AI	UNIT-III (PART-B)	ADVANCE PYTHON	109--167
AUGUST	24		iNTELLiCODE AI	UNIT-IV (PART-A)	EMPLOYABILITY SKILLS: UNIT 4 ENTREPRENEURIAL SKILLS II	40--44
			iNTELLiCODE AI	UNIT-VI (PART-B)	SUBJECTIVE SKILLS: NATURAL LANGUAGE PROCESSING , Introduction to Natural Language Processing , NLP Applications , Revisiting AI Project Cycle , Chat bots	240--263
			iNTELLiCODE AI	UNIT-IV (PART-B)	DATA SCIENCE	168-- 210
SEPTEMBER	20 (+01)*		iNTELLiCODE AI		REVISION	
		REVISION + PT-II EXAM				
OCTOBER	09 (+06)*		iNTELLiCODE AI	UNIT-V (PART-B)	COMPUTER VISION(CV)	
NOVEMBER	20		iNTELLiCODE AI	UNIT-VI (PART-B)	SUBJECTIVE SKILLS: NATURAL LANGUAGE PROCESSING , Human Language VS Computer Language , Concepts of Natural Language Processing , Hands-on: Text processing • Data Processing • Bag of Words	240--263
			iNTELLiCODE AI	UNIT-VII (PART-B)	UNIT: EVALUATION – Introduction to Model Evaluation, Confusion Matrix Session Confusion Matrix, Evaluation Score , Understanding Accuracy, Precision, Recall & F1 Score Practice Evaluation	264--271
DECEMBER	19	FULL REVISION + PREBOARD EXAM				
JANUARY	24	FULL REVISION				
FEBRUARY	21	FULL REVISION+ BOARD EXAM				
MARCH	10 (+07)*	BOARD EXAM				

TOTAL NO. OF WORKING DAYS: - 218 + 14 (H.Y & ANNUAL EXAM) * (TENTATIVE)