

# ST. NICHOLAS PUBLIC SCHOOL, GARHBETA

## SYLLABUS FOR THE SESSION 2025- '26

CLASS: X

SUB: MATHEMATICS

NAME OF THE TEACHER: SANTANU DAS

SL NO	CHAPT ER NO.	CHAPTER NAME	TOPIC	SUB TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1	1	REAL NUMBERS	<ul style="list-style-type: none"><li>• Introduction</li><li>• The Fundamental Theorem of Arithmetic</li><li>• Revisiting Irrational Numbers</li></ul>	<ul style="list-style-type: none"><li>• Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples</li><li>• Proofs of irrationality of <math>\sqrt{2}</math>, <math>\sqrt{3}</math>, <math>\sqrt{5}</math></li></ul>	12	PD-I + MID-TERM + PB- 1 & 2
2	2	POLYNOMIALS	<ul style="list-style-type: none"><li>• Introduction</li><li>• Geometrical Meaning of the Zeroes of a Polynomial</li><li>• Relationship between Zeroes and Coefficients of a Polynomial</li></ul>	<ul style="list-style-type: none"><li>• Zeros of a polynomial</li><li>• Relationship between zeros and coefficients of quadratic polynomials.</li></ul>	12	PD-I + MID-TERM + PB- 1 & 2
3	3	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	<ul style="list-style-type: none"><li>• Introduction</li><li>• Graphical Method of Solution of a Pair of Linear Equations</li><li>• Algebraic Methods of Solving a Pair of Linear Equations</li><li>• Substitution Method</li><li>• Elimination Method</li></ul>	<ul style="list-style-type: none"><li>• Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency.</li><li>• Algebraic conditions for number of solutions.</li><li>• Solution of a pair of linear equations in</li></ul>	14	PD-I + MID-TERM + PB- 1 & 2

				two variables algebraically - by substitution, by elimination. Simple situational problems.		
<b>4</b>	<b>4</b>	QUADRATIC EQUATION	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Quadratic Equations</li> <li>• Solution of a Quadratic Equation by Factorisation</li> <li>• Nature of Roots</li> </ul>	<ul style="list-style-type: none"> <li>• Standard form of a quadratic equation <math>ax^2 + bx + c = 0</math>, (<math>a \neq 0</math>).</li> <li>• Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots.</li> <li>• Situational problems based on quadratic equations related to day-to-day activities to be incorporated</li> </ul>	<b>10</b>	<b>PD-I + MID-TERM + PB- 1 &amp; 2</b>
<b>5</b>	<b>5</b>	ARITHMETIC PROGRESSION	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Arithmetic Progressions</li> <li>• <math>n</math>th Term of an AP</li> <li>• Sum of First <math>n</math> Terms of an AP</li> </ul>	<ul style="list-style-type: none"> <li>• Motivation for studying Arithmetic Progression</li> <li>• Derivation of the <math>n</math>th term and sum of the first <math>n</math> terms of AP and their application in solving daily life problems.</li> </ul>	<b>14</b>	<b>MID-TERM + PB- 1 &amp; 2</b>
	<b>6</b>	TRIANGLES	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Similar Figures</li> <li>• Similarity of Triangles</li> <li>• Criteria for Similarity of Triangles</li> </ul>	<ul style="list-style-type: none"> <li>• Definitions, examples, counter examples of similar triangles.</li> <li>• (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.</li> <li>• State (without proof) If a line divides two sides of a triangle in</li> </ul>	<b>12</b>	<b>MID-TERM + PB- 1 &amp; 2</b>

				<p>the same ratio, the line is parallel to the third side.</p> <ul style="list-style-type: none"> <li>State (without proof) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.</li> </ul>		
7	COORDINATE GEOMETRY	<ul style="list-style-type: none"> <li>Introduction</li> <li>Distance Formula</li> <li>Section Formula</li> </ul>	<ul style="list-style-type: none"> <li>Concepts of coordinate geometry.</li> <li>Distance formula.</li> <li>Section formula (internal division)</li> </ul>	8	MID-TERM + PB- 1 & 2	
8	INTRODUCTION TO TRIGONOMETRY	<ul style="list-style-type: none"> <li>Introduction</li> <li>Trigonometric Ratios</li> <li>Trigonometric Ratios of Some Specific Angles</li> <li>Trigonometric Identities</li> </ul>	<ul style="list-style-type: none"> <li>Trigonometric ratios of an acute angle of a right-angled triangle.</li> <li>Proof of their existence (well defined)</li> <li>Motivate the ratios whichever are defined at <math>0^\circ</math> and <math>90^\circ</math>. Values of the trigonometric ratios of <math>30^\circ</math>, <math>45^\circ</math> and <math>60^\circ</math>.</li> <li>Relationships between the ratios.</li> <li>Proof and applications of the identity <math>\sin^2 A + \cos^2 A = 1</math>.</li> <li>Only simple identities to be given.</li> </ul>	16	MID-TERM + PD-II + PB- 1 & 2	
9	SOME APPLICATIONS OF TRIGONOMETRY	<ul style="list-style-type: none"> <li>Heights and Distances</li> </ul>	<ul style="list-style-type: none"> <li>Simple problems on heights and distances. Problems should not involve more than two right triangles.</li> <li>Angles of elevation / depression should be only <math>30^\circ</math>, <math>45^\circ</math>, and <math>60^\circ</math>.</li> </ul>	12	PD-II + PB- 1 & 2	

10	CIRCLES	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Tangent to a Circle</li> <li>• Number of Tangents from a Point on a Circle</li> </ul>	<ul style="list-style-type: none"> <li>• Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined)</li> <li>• Motivate the ratios whichever are defined at <math>0^\circ</math> and <math>90^\circ</math>. Values of the trigonometric ratios of <math>30^\circ</math>, <math>45^\circ</math> and <math>60^\circ</math>. 3. Relationships between the ratios.</li> </ul>	10	PD-II + PB-1 & 2
11	AREAS RELATED TO CIRCLES	<ul style="list-style-type: none"> <li>• Areas of Sector and Segment of a Circle</li> </ul>	<ul style="list-style-type: none"> <li>• Area of sectors and segments of a circle.</li> <li>• Problems based on areas and perimeter /circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of <math>60^\circ</math>, <math>90^\circ</math> and <math>120^\circ</math> only.</li> </ul>	08	PD-II + PB-1 & 2
12	SURFACE AREA AND VOLUMES	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Surface Area of a Combination of Solids</li> <li>• Volume of a Combination of Solids</li> </ul>	<ul style="list-style-type: none"> <li>• Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.</li> </ul>	12	PD-II + PB-1 & 2
13	STATISTICS	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Mean of Grouped Data</li> <li>• Mode of Grouped Data</li> <li>• Median of Grouped Data</li> </ul>	<ul style="list-style-type: none"> <li>• Mean, median and mode of grouped data (bimodal situation to be avoided).</li> </ul>	12	PB-1 & 2
14	PROBABILITY	<ul style="list-style-type: none"> <li>• Probability — A Theoretical Approach</li> </ul>	<ul style="list-style-type: none"> <li>• Applies concepts from probability to solve problems on</li> </ul>	8	PB-1 & 2

				the likelihood of everyday events.		
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SNPS SYLLABUS 2025-'26

# SYLLABUS FOR THE SESSION 2025- '26

CLASS: X

SUB: SOCIAL SCIENCE

NAME OF THE TEACHER: SC & DM

SL NO	CHAPTER NO.	CHAPTER NAME	TOPIC	SUB TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1	1	THE RISE OF NATIONALISM IN EUROPE (HIS)	ALL THE TOPICS ARE INCLUDED	MAP POINTING		PD 1 + MT+ PB 1+2
2	2	NATIONALISM IN INDIA (HIS)	ALL THE TOPICS ARE INCLUDED	MAP POINTING		PD 2 PB 1+2
3	3	THE MAKING OF A GLOBAL WORLD (HIS)	1 TO 1.3 PRE MODERN WORLD TO CONQUEST, DISEASES AND TRADE (ONLY BE ASSESSED IN BOARD EXAMINATION)	INTER DISCIPLINARY PROJECT ON SUB TOPIC 2 TO 4.4		PB 1,2 PB 1+2
4	5	PRINT CULTURE AND MODERN WORLD (HIS)	ALL THE TOPICS ARE INCLUDED			PD 1 + MT+ PB 1+2
5	4	THE AGE OF INDUSTRIALIZATION (HIS)	ALL THE TOPICS ARE INCLUDED	MAP POINTING		ONLY FOR PD 2
	1	RESOURCES AND DEVELOPMENT (GEO)				PD 1 + MT PB 1+2
	2	FOREST AND WILDLIFE RESOURCE (GEO)				PD 1 + MT PB 1+2
	3	WATER RESOURCE (GEO)				PD 2 PB 1+2
	4	AGRICULTURE (GEO)				PB 1+2
	5	MINERALS AND ENERGY RESOURCE (GEO)				PB 1+2
	6	MANUFACTURING INDUSTRIES (GEO)				PB 1+2
	7	LIFELINE OF NATIONAL ECONOMY (GEO)	*****	ONLY FOR MAP POINTING INTER DISCIPLINARY PROJECT		*****
	1	POWERSHARING (CIV)	ALL THE TOPICS ARE INCLUDED			PD 1 + MT PB 1+2
	2	FEDERALISM (CIV)				PD 1 + MT PB 1+2
	3	GENDER RELIGION AND CASTE (CIV)				PD 2 + PB 1+2
	4	POLITICAL PARTIES (CIV)				PB 1+2
	5	OUTCOMES OF DEMOCRACY (CIV)				PB 1+2
	1	DEVELOPMENT (ECON)				PD 1+MT+PB1.2

	2	SECTORS OF INDIAN ECONOMY (ECON)	ALL THE TOPICS ARE INCLUDED			MT+PB1,2
	3	MONEY AND CREDIT (ECON)				
	4	GLOBALIZATION AND THE INDIAN ECONOMY (ECON)	<ul style="list-style-type: none"> <li>• WHAT IS GLOBALIZATION</li> <li>• FACTORS THAT HAVE ENABLED GLOBALIZATION</li> <li>• WORLD TRADE ORGANIZATION</li> <li>• CHINESE TOYS IN INDIA</li> <li>• PRODUCTION ACROSS THE COUNTRY</li> <li>• THE STRUGGLE FOR A FAIR GLOBALIZATION</li> </ul>	INTER DISCIPLINARY PROJECT		PB1,2
	5	CONSUMER RIGHTS (ECON)	*****	PROJECT WORK		*****

CLASS: X

SUB: BENGALI

NAME OF THE TEACHER: SAIKAT PAUL

SL NO	CHAPTER NO.	CHAPTER NAME	TOPIC	SUB TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1		জ্ঞানচক্ষু	গদ্য	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	5	PD - I + MID TERM
2		তিন পাহাড়ের কোলে	পদ্য	রচনাধর্মী প্রশ্ন ব্যাক্যা-ধর্মী প্রশ্ন	4	PD - I + MID TERM
3		ক. ব্যঞ্জন সন্ধি খ. কর্মধারয় সমাস গ. বোধ পরীক্ষণ	ব্যাকরণ ও নির্মিতি	ব্যঞ্জন সন্ধি কর্মধারয় সমাস	25	PD - I + MID TERM
4		পোস্টমাস্টার	গল্পগুচ্ছ	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	7	PD - I + MID TERM
5		আলোবাবু	গদ্য	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	5	MID TERM
6		আয় আরো বেঁধে বেঁধে থাকি	পদ্য	রচনাধর্মী প্রশ্ন ব্যাক্যাধর্মী প্রশ্ন	4	MID TERM
7		<ul style="list-style-type: none"> <li>বিসর্গ সন্ধি</li> <li>দ্বন্দ্ব সমাস</li> <li>সরল যৌগিক বাক্য</li> <li>বোধ পরীক্ষণ</li> <li>অনুচ্ছেদ লিখন</li> <li>সম্পাদকের নিকট চিঠি</li> </ul>	ব্যাকরণ ও নির্মিতি	<ul style="list-style-type: none"> <li>সন্ধি করো অথবা সন্ধি বিচ্ছেদ করো</li> <li>সমাস ব্যাসবাক্য সহ নির্ণয় করো</li> <li>বাক্য গত পরিবর্তন</li> <li>ইত্যাদি</li> </ul>	20	MID TERM
8		কাবুলিওয়লা	গল্পগুচ্ছ	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	7	MID TERM
9		বহুরূপী	গদ্য	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	7	PD -II
10		একাকারে	পদ্য	রচনাধর্মী প্রশ্ন ব্যাক্যাধর্মী প্রশ্ন	4	PD -II
11		ক. অব্যয়ীভাব সমাস খ. বাক্য পরিবর্তন(সরল জটিল যৌগিক)	ব্যাকরণ ও নির্মিতি	ব্যাসবাক্য সহ সমাস নির্ণয় বাক্য গত পরিবর্তন	15	PD -II



12		কাবুলিওয়ালা	গল্পগুচ্ছ	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	7	PD -II
13		অদল বদল	গদ্য	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	7	PD -II
14		অস্ত্রের বিরুদ্ধে গান	পদ্য	রচনাধর্মী প্রশ্ন ব্যাখ্যাধর্মী প্রশ্ন	5	PD -II
15		দান প্রতিদান	গল্পগুচ্ছ	নৈব্যক্তিক ও রচনাধর্মী প্রশ্ন	5	PD -II

**NB: all chapters are in Pre-board**

SNPS SYLLABUS 2025-'26

CLASS: X

SUB:HINDI

NAME OF THE TEACHER: MISS BITTO KAUR

SL NO	CHAPT ER NO.	CHAPTER NAME	TOPIC	SUB TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1	1.	सूरदास के पद	विश्लेषण आत्मक मूल्यपरक बौद्धिक प्रश्न , संदर्भ सहित व्याख्या	लघु उत्तरीय प्रश्न , मूल्य परख प्रश्न , उच्च स्तरीय बौद्धिक प्रश्नों का ज्ञान बोध , ससंदर्भ व्याख्या	6	<b>PD 1 + Term 1</b>
2	10.	नेताजी का चश्मा	लघु उत्तरीय मूल्य परखप्रश्न , उच्च स्तरीय बौद्धिक प्रश्नों का ज्ञान बोध	पाठ का विश्लेषण , मूल्य परख प्रश्न , आलोचनात्मक चिंतन , मूल्य परख एवं उच्च स्तरीय बौद्धिक प्रश्नों का बोध , क्रियात्मक गतिविधि ।	5	<b>PD 1 + Term 1</b>
3		वाक्य भेद	रचना के आधार पर वाक्य भेद	रचना के आधार पर वाक्य भेद उच्च स्तरीय चिंतन	5	<b>Pd1 + term 1</b>
4	5.	पद परिचय	पद परिचय विभिन्न व्याकरण भेदों के आधार पर पद का परिचय देना	पदों की पहचान	5	<b>PD 1 + term 1</b>
5	3.	राम लक्ष्मण परशुराम संवाद	पद	अर्थ ग्रहण , मूल्य परख एवं उच्च स्तरीय बौद्धिक प्रश्नों का ज्ञान , मूल्य परख प्रश्न , क्रियात्मक गतिविधि ।	10	<b>Term 1</b>
6	1.	आत्मकथ	कविता	पाठ का भाव समझना , कठिन	5	<b>Term 1</b>

				शब्दों का अर्थ बोध , मूल्य परक और उच्च स्तरीय बौद्धिक प्रश्नों का ज्ञान ।		
7.	3.	बालगोबिन भगत	क्षितिज	अर्थ ग्रहण , लिखित प्रश्न , विश्लेषणात्मक प्रश्न , गद्यांश को पढ़कर मूल्य परख प्रश्न का उत्तर देना बौद्धिक कौशल प्रश्न , क्रियात्मक गतिविधि ।	7	Term 1
8	6.	माता का आंचल	कृतिका	मूल्य परख प्रश्न, बौद्धिक कौशल	5	Term 1
9		अलंकार	अर्थालंकार : उपमा रूपक उत्प्रेक्षा अतिशयोक्ति मानवीकरण ।	PD	4	Term 1
10		अनुच्छेद लेखन	बौद्धिक विषयों में तर्कसंगत विचार प्रकट करने की क्षमता ।	अभिव्यक्ति की क्षमता पर केंद्रित व्यवहारिक विषय	4	Term 1
11		उत्साह अट नहीं रही है	क्षितिज	अर्थ ग्रहण, प्रत्यास्मरण, बौद्धिक एवं विश्लेषणात्मक प्रश्न मूल्यपरक प्रश्न	5	Pd2 + annual
12	6	लखनवी अंदाज	क्षितिज	बौद्धिक मूल्य परख रचनात्मक प्रश्न , विश्लेषणात्मक प्रश्न , व्याख्या ।	8	Pd2 + annual
13	11	पत्र लेखन	औपचारिक अनौपचारिक पत्र	औपचारिक अनौपचारिक पत्र अभिव्यक्ति की क्षमता पर केंद्रित औपचारिक अथवा	5	PD 2 + term 2

				अनौपचारिक पत्र विषय		
14	12	यह दंतुरित मुस्कान फसल	कविता	प्रत्यास्मरण , मूल्यपरक एवं उच्च स्तरीय बौद्धिक प्रश्नों का ज्ञान , क्रियात्मक गतिविधि	5	PD 3 + term 2
15	11	एक कहानी यह भी	क्षितिज	मूल्य परक एवं उच्च स्तरीय बौद्धिक प्रश्नों का ज्ञान ।	7	PD 3 + Term 2
16	13	स्ववृत लेखन	रोजगार संबंधित लेख	अभिव्यक्ति की क्षमता पर केंद्रित विषय	4	Pd3 + term 2
17	14	संगतकार	क्षितिज	अर्थ ग्रहण , भाषा अध्ययन, लिखित प्रश्नों का बोध , उच्च स्तरीय बौद्धिक प्रश्न ।	7	Pd3 + Term 2
18	15	नौबत खाने में इबादत	क्षितिज	भावार्थ समझाना , मूल्य परक उच्च स्तरीय बौद्धिक प्रश्न	7	Term 2
19		संस्कृति	क्षितिज ।	मूल्य परख उच्च स्तरीय बौद्धिक प्रश्न	7	PD III+ Term 2
20	16	मैं क्यों लिखता हूँ	कृतिका	मूल्य परख उच्च स्तरीय बौद्धिक प्रश्न	5	PD 3 + Term 2
21	15	विज्ञापन लेखन	बाजारवाद के संदर्भ में लेख	अभिव्यक्ति की क्षमता पर आधारित विषय	5	Term 2
22	17 18	संदेश लेखन	शुभकामना पर्व त्यौहार एवं विशेष अवसरों पर दिया जाने वाला संदेश	अभिव्यक्ति की क्षमता पर आधारित विषय	7	Term 2

CLASS: X

SUB: ENGLISH

NAME OF THE TEACHER:

SL NO	CHAPTER NO.	CHAPTER NAME	TOPIC	SUB TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1	1	<u>FIRST FLIGHT</u> A LETTER TO GOD, DUST OF SNOW, FIRE AND ICE <u>FOOTPRINTS</u> <u>WITHOUT FEET</u> A TRIUMPH OF SURGERY	EXPLORING THEMES OF FAITH, LOVE AND COMPASSION, NATURE'S ABILITY TO UPLIFT HUMAN SPIRIT, EXPLORING THE DESTRUCTIVE POWER OF HUMAN DESIRES, BLIND LOVE FOR THE PERSON WE CHERISH MOST	INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR		PD1+MID TERM+ PRE BOARD
2	2	<u>FIRST FLIGHT</u> NELSON MANDELA: LONG WALK TO FREEDOM, A TIGER IN THE ZOO <u>FOOTPRINTS</u> <u>WITHOUT FEET</u> THE THIEF'S STORY	UNDERSTANDING RACISM, UNDERSTANDING ANIMAL BEHAVIOUR,  EXPLORING THEMES OF TRUST, TRANSFORMATION AND REDEMPTION	INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR		PD1+MID TERM+ PRE BOARD
3	3	<u>FIRST FLIGHT</u> TWO STORIES ABOUT	OVERCOMING FEAR AND IMPORTANCE OF TAKING RISKS,	INSIDE QUESTIONS, VOCABULARY,		PD1+MID TERM+ PRE BOARD

		<p><b>FLYING- 1. HIS FIRST FLIGHT</b>  <b>2. BLACK AEROPLANE,</b>  <b>HOW TO TELL WILD ANIMALS,</b>  <b>THE BALL POEM</b>  <u><b>FOOTPRINTS</b></u>  <u><b>WITHOUT FEET</b></u>  <b>THE MIDNIGHT VISITOR</b></p>	<p><b>CONCEPTS OF FEAR, ISOLATION AND THE STRUGGLE AGAINST ADVERSITY,</b>  <b>HUMOROUS METHODS OF IDENTIFYING WILD ANIMALS,</b>  <b>LEARNING TO COPING WITH LOSS,</b>  <b>THEME OF APPEARANCE VERSUS REALITY</b></p>	<p><b>TEXTUAL GRAMMAR</b></p>		
<b>4</b>	<b>4</b>	<p><u><b>FIRST FLIGHT</b></u>  <b>FROM THE DIARY OF ANNE FRANK,</b>  <b>AMANDA</b>  <u><b>FOOTPRINTS</b></u>  <u><b>WITHOUT FEET</b></u>  <b>A QUESTION OF TRUST</b></p>	<p><b>OVERCOMING INNER CONFLICT,</b>  <b>IMPORTANCE OF UNDERSTANDING A CHILD'S PERSPECTIVE</b>  <b>THE FRAGILITY AND CONSEQUENCES OF TRUST</b></p>	<p><b>INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR</b></p>		<p><b>PD 2+ MID TERM+ PRE BOARD</b></p>
<b>5</b>	<b>7</b>	<p><u><b>FIRST FLIGHT</b></u>  <b>GLIMPSSES OF INDIA-</b>  <b>A BAKER FROM GOA,</b>  <b>COORG,</b>  <b>TEA FROM ASSAM,</b>  <b>THE TREES</b></p>	<p><b>EXPLORING THE RICH CULTURAL DIVERSITY OF INDIA,</b>  <b>EXPLORES THE CONFLICT BETWEEN HUMAN AND NATURE,</b>  <b>MISUSING SCIENTIFIC DISCOVERY AND CORRUPTING</b></p>	<p><b>INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR</b></p>		<p><b>PD 2+ MID TERM+ PRE BOARD</b></p>

		<b><u>FOOTPRINTS WITHOUT FEET</u></b> <b>FOOTPRINTS WITHOUT FEET</b>	<b>INFLUENCE OF POWER</b>			
<b>6</b>	<b>8</b>	<b><u>FIRST FLIGHT MIJBIL THE OTTER, FOG</u></b>  <b><u>FOOTPRINTS WITHOUT FEET</u></b> <b>THE MAKING OF A SCIENTIST</b>	<b>UNDERSTANDING THE BOND BETWEEN HUMANS AND ANIMALS, EXPLORING THE TRANSIENT NATURE OF LIFE, THE JOURNEY OF A CURIOUS CHILD</b>	<b>INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR</b>		<b>PD 3 + PRE BOARD</b>
<b>7</b>	<b>9</b>	<b><u>FIRST FLIGHT MADAM RIDES THE BUS, THE TALE OF CUSTARD THE DRAGON</u></b>  <b><u>FOOTPRINTS WITHOUT FEET</u></b> <b>THE NECKLACE</b>	<b>EXPLORING THE THEMES OF CURIOSITY AND INDEPENDENCE, EXPLORING THE THEME OF BRAVERY AND TRUE NATURE OF COURAGE, EXPLORING THE DESTRUCTIVE NATURE OF GREED AND VANITY</b>	<b>INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR</b>		<b>PRE BOARD</b>
<b>8</b>	<b>10</b>	<b><u>FIRST FLIGHT THE SERMON AT BENARES, FOR ANNE GREGORY</u></b>	<b>LEARNING THE TEACHINGS OF BUDDHA,</b>	<b>INSIDE QUESTIONS, VOCABULARY, TEXTUAL GRAMMAR</b>		<b>PRE BOARD</b>

		<b><u>FOOTPRINTS WITHOUT FEET</u> BHOLI, THE BOOK THAT SAVED THE EARTH</b>	<b>UNDERSTANDING THE FLEETING NATURE OF BEAUTY, UNDERSTANDING THE TRANSFORMATIVE POWER OF EDUCATION, EXPLORING THE DENGERS OF MISUNDERSTANDING AND PREJUDICE</b>			
<b>9</b>	<b>11.</b>	<b><u>FIRST FLIGHT THE PROPOSAL (PLAY)</u></b>	<b>EXPLORING THE ABSURDITIES OF HUMAN RELATIONSHIP</b>			<b>PRE BOARD</b>
			<b><i>GRAMMAR SECTION</i></b>			
<b>10</b>		<b>DETERMINERS, TENSES, MODALS, SUBJECT-VERB CONCORD, REPORTED SPEECH-COMMANDS AND REQUESTS, STATEMENTS AND QUESTIONS</b>	<b>UNDERSTANDING AND APPLICATION OF THE GIVEN CHAPTERS</b>	<b>IN-DEPTH KNOWLEDGE OF THE GIVEN CHAPTERS</b>		<b>PD 1+ MID TERM+PD 2+ PRE BOARD</b>
			<b>WRITING SECTION</b>			



11		<b>FORMAL LETTERS, ANALYTICAL PARAGRAPH</b>	<b>UNDERSTANDING AND APPLICATION OF THE GIVEN CHAPTERS</b>	<b>IN-DEPTH KNOWLEDGE OF THE GIVEN CHAPTERS</b>		<b>PD 1+PD 2+ MID TERM+PRE BOARD</b>
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SNPS SYLLABUS 2025-'26

**CLASS: X**

**SUB: ARTIFICIAL INTELLIGENCE**

**NAME OF THE TEACHER: KRISHNA KUNDU**

<b>Employability Skills</b>					
<b>SL NO</b>	<b>CHAPTER NO.</b>	<b>CHAPTER NAME</b>	<b>TOPIC</b>	<b>NO. OF PERIODS</b>	<b>NAME OF EXAMINATION</b>
1	Unit 1	Communication Skills - II	<ul style="list-style-type: none"><li>❖ Method of Communication</li><li>❖ Communication Cycle</li><li>❖ Communication Barriers</li><li>❖ Effective Communication</li><li>❖ Basic Writing Skills</li></ul>	2	PD - I, TERM - I & PRE-BOARD
2	Unit 2	Self - Management Skills - II	<ul style="list-style-type: none"><li>❖ Stress Management and its Techniques</li><li>❖ Ability to Work Independent</li></ul>	2	PD - I, TERM - I & PRE-BOARD
3	Unit 3	ICT	<ul style="list-style-type: none"><li>❖ OS</li><li>❖ Managing Files and Folder</li><li>❖ Care and Maintenance of a computer</li></ul>	4	PD - II & PRE-BOARD
4	Unit 4	Entrepreneurial Skills - II	<ul style="list-style-type: none"><li>❖ Entrepreneur and Entrepreneurship</li></ul>	2	PD - II & PRE-BOARD
5	Unit 5	Green Skills - II	<ul style="list-style-type: none"><li>❖ Sustainable Development</li></ul>	2	PD - II & PRE-BOARD

### Subject Specific Skills

SL NO	CHAPTER NO.	CHAPTER NAME	TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1	Unit 1	Introduction to AI	<ul style="list-style-type: none"><li>❖ Foundation Concepts of AI</li><li>❖ What is Intelligence?</li><li>❖ Decision Making</li><li>❖ What is AI ?</li><li>❖ How do Machine become AI?</li><li>❖ Applications of AI in real Life</li><li>❖ What is AI and what is not?</li><li>❖ AI and Related Terminologies</li><li>❖ Introduction to AI Domains</li></ul>	6	PD - I, TERM - I & PRE-BOARD
2	Unit 2	AI Project Cycle	<ul style="list-style-type: none"><li>❖ AI Project Cycle</li><li>❖ Problem Scoping</li><li>❖ Data Acquisition</li><li>❖ Data Exploration</li><li>❖ Modeling</li><li>❖ Evaluation</li><li>❖ Deployment</li><li>❖ Introduction to Neural Network</li></ul>	8	PD - I, TERM - I & PRE-BOARD
3	Unit 3	Advance Python	<ul style="list-style-type: none"><li>❖ Introduction to Jupyter Notebook</li><li>❖ Introduction to Python</li><li>❖ Features of Python</li></ul>	14	PD - I, TERM - I & PRE-BOARD

			<ul style="list-style-type: none"> <li>❖ Why Python for AI?</li> <li>❖ Application of Python</li> <li>❖ Python Character set</li> <li>❖ Python Statements</li> <li>❖ Python Comments</li> <li>❖ Identifiers and Keywords</li> <li>❖ Variables</li> <li>❖ Constants</li> <li>❖ Data Types</li> <li>❖ Operators</li> <li>❖ Input and Output in Python</li> <li>❖ Type Conversion</li> <li>❖ Control Statements</li> <li>❖ Introduction to List</li> <li>❖ Introduction to Tuple</li> <li>❖ Python Libraries and Packages</li> </ul>		
4	Unit 4	Data Science	<ul style="list-style-type: none"> <li>❖ Introduction to Data Science</li> <li>❖ Application of Data Science</li> <li>❖ Revisiting the AI Project Cycle</li> <li>❖ Data Collection</li> <li>❖ Data Access</li> <li>❖ Basic Statics with Python</li> <li>❖ Data Visualization</li> </ul>	10	PD – II & PRE-BOARD

			<ul style="list-style-type: none"> <li>❖ Data Science : Classification Model</li> <li>❖ KNN or K-NN Model</li> </ul>		
5	Unit 5	Computer Vision	<ul style="list-style-type: none"> <li>❖ Introduction to Computer Vision</li> <li>❖ Application of CV</li> <li>❖ Concepts of CV</li> <li>❖ Introduction to OpenCV</li> <li>❖ Image Processing Operation</li> <li>❖ Convolution</li> <li>❖ Understanding Convolution Neural Network (CNN)</li> </ul>	8	PD - II & PRE-BOARD
6	Unit 6	NLP	<ul style="list-style-type: none"> <li>❖ Introduction to NLP</li> <li>❖ Application of NLP</li> <li>❖ Revisiting the AI Project Cycle</li> <li>❖ Introduction to Chatbots</li> <li>❖ Human Language VS Computer Language</li> <li>❖ Data Processing</li> <li>❖ Term Frequency Inverse Document Frequency</li> </ul>	8	PD - II & PRE-BOARD
7	Unit 7	Evaluation	<ul style="list-style-type: none"> <li>❖ Introduction</li> <li>❖ Importance of Evaluation</li> <li>❖ Evaluating Model Behavior: Underfit,</li> </ul>	6	TERM - I & PRE-BOARD

			<b>Perfect Fit, and Overfit</b> ❖ <b>Model Evaluation Terminologies</b> ❖ <b>Confusion Matrix</b> ❖ <b>Evaluation Methods</b>		
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SNPS SYLLABUS 2025-'26

**Class: X      Sub: Health & Physical Education      Name of the Teacher: SR, SN & SW**

➤ **Practical**

SL No	Name of Asanas/Games/Marching	Skill Learning	Months
1	Asana <ul style="list-style-type: none"> <li>• Standing posture (any 3)</li> <li>• Sitting posture (any 3)</li> <li>• Laying posture (any 4)</li> </ul>	Step by step Practice	April
2	Meditation + Pranayama	Practice	April
3	Suryanamaskar/Sun Salutation	12 steps practice	April
4	Indoor Game <ul style="list-style-type: none"> <li>• Chess</li> <li>• Ludo</li> <li>• Carrom</li> </ul>	Individual Practice, Sports competition Related Practice	May+June
5	Kho-Kho	Chaser skill, Runner skill	July
6	Free Hand Exercise +Marching	Left turn, Right turn, Back turn, Kadamtal, Tej chal	July+ Aug
7	Specialization Games Football Badminton Volleyball Annual Sports Practice	All skill practice	Sept + Oct
8	<ul style="list-style-type: none"> <li>• Running</li> <li>• Free Hand Exercise</li> <li>• Marching</li> <li>• Annual Sports Practice</li> </ul>	100m Sprint, 200m sprint, 400m Sprint, Marching Related skill.	Nov
9	Annual Sports related Practice	Individual Practice, Sports event Related Practice	Nov+ Dec
10	<ul style="list-style-type: none"> <li>• Kho-Kho</li> <li>• Football</li> <li>• Cricket</li> <li>• Badminton</li> <li>• Volleyball</li> </ul>	Match Practice	Jan+Feb+March

# ST. NICHOLAS PUBLIC SCHOOL, GARHBETA

CLASS: X

SUB: SCIENCE

NAME OF THE TEACHER: SL & SS

SL NO	CHAPTER NO.	CHAPTER NAME	TOPIC	SUB TOPIC	NO. OF PERIODS	NAME OF EXAMINATION
1	01	Chemical reaction & equation	<ul style="list-style-type: none"><li>• Chemical equations</li><li>• Types of chemical reactions</li><li>• Have you observed the effect of oxidation reactions in everyday life?</li></ul>	<ul style="list-style-type: none"><li>❖ writing a chemical equation</li><li>❖ Balanced chemical equation</li><li>❖ Combination reaction</li><li>❖ Decomposition reaction</li><li>❖ Displacement reaction</li><li>❖ Double displacement reaction</li><li>❖ Oxidation and reduction</li><li>❖ Corrosion</li><li>❖ Rancidity</li></ul>	09	PD I & MT
2	06	Life processes	<ul style="list-style-type: none"><li>• What are life processes?</li><li>• Nutrition</li><li>• Respiration</li><li>• Transportation</li><li>• Excretion</li></ul>	<ul style="list-style-type: none"><li>❖ Autotrophic nutrition</li><li>❖ Heterotrophic nutrition</li><li>❖ How do organism obtain their nutrition</li><li>❖ Nutrition in human beings</li></ul>	15	PD I & MT



				<ul style="list-style-type: none"> <li>❖ Transportation in human beings</li> <li>❖ Transportation in plants</li> <li>❖ Excretion in human beings</li> </ul>		
3	10	Light-reflection & refraction	<ul style="list-style-type: none"> <li>• Reflection of light</li> <li>• Spherical mirror</li> <li>• Refraction of light</li> </ul>	<ul style="list-style-type: none"> <li>❖ Image formation by spherical mirror</li> <li>❖ Representation of images formed by spherical mirror using ray diagram.</li> <li>❖ Sign convention for reflection by spherical mirror</li> <li>❖ Mirror formulae and magnification</li> <li>❖ Refraction through a rectangular glass slab</li> <li>❖ The refractive index</li> <li>❖ Refraction by spherical lenses</li> <li>❖ Image formation in lenses using ray diagrams.</li> <li>❖ Sign convention by spherical lenses</li> <li>❖ Lens formulae and magnification</li> <li>❖ The power of a lens</li> </ul>	10	PD I & MT
4	02	Acids,bases, salt	<ul style="list-style-type: none"> <li>• Understanding the chemical properties of acid and bases.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Acid and bases in the laboratory</li> <li>❖ How do acid and bases react with metals?</li> </ul>	09	MT

			<ul style="list-style-type: none"> <li>• What do all acid and bases have common?</li> <li>• How strong are acid or base solutions?</li> <li>• More about salts</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>❖ How do metal carbonates and metal hydrogencarbonates react with acid?</li> <li>❖ How do acids and bases react with each other?</li> <li>❖ Reaction of metallic oxides with acids</li> <li>❖ Reaction of a non-metallic oxide with base.</li> <li>❖ Importance of pH in everyday life</li> <li>❖ Family of salts</li> <li>❖ pH of salts</li> <li>❖ Chemical from common salt</li> <li>❖ Are the crystals of salts really dry?</li> </ul>		
5	07	Control & coordination	<ul style="list-style-type: none"> <li>• Animals – nervous system</li> <li>• Coordination in plants.</li> <li>• Hormones in animals</li> </ul>	<ul style="list-style-type: none"> <li>❖ What happens in reflex actions?</li> <li>❖ Human brain</li> <li>❖ How are these tissues protected?</li> <li>❖ How does the nervous tissue cause action?</li> <li>❖ Immediate response to stimulus</li> <li>❖ Movement due to growth</li> </ul>	09	MT
6	11	The human eye and the colorful world	<ul style="list-style-type: none"> <li>• The human eye</li> <li>• Defect of vision and their correction</li> </ul>	<ul style="list-style-type: none"> <li>❖ Power of accommodation</li> <li>❖ Tyndall effect</li> </ul>	10	MT

			<ul style="list-style-type: none"> <li>• Refraction of light through a prism</li> <li>• Dispersion of white light by a glass prism</li> <li>• Atmospheric refraction</li> <li>• Scattering of light</li> </ul>	<ul style="list-style-type: none"> <li>❖ Why is the color of the clear sky blue?</li> <li>❖ Color of the sun at sunrise and sunset.</li> </ul>		
7	03	Metals and non metals	<ul style="list-style-type: none"> <li>• Physical properties</li> <li>• Chemical properties</li> <li>• How do metals and non metals react?</li> <li>• Occurrence of metals</li> <li>• Corrosion</li> </ul>	<ul style="list-style-type: none"> <li>❖ Metals</li> <li>❖ Non metals</li> <li>❖ What happens when metals are burnt in air?</li> <li>❖ What happens when metals react with water?</li> <li>❖ What happens when metals react with acids?</li> <li>❖ How do metals react with solutions of other metal salts?</li> <li>❖ The reactivity series</li> <li>❖ Properties of ionic compounds</li> <li>❖ Extraction of metals</li> <li>❖ Enrichment of ores</li> <li>❖ Extracting metals low in the activity series</li> <li>❖ Extracting metals in the middle of the activity series</li> <li>❖ Extracting metals towards the top</li> </ul>	09	MT

				<p>of the activity series.</p> <ul style="list-style-type: none"> <li>❖ Refining of metals.</li> <li>❖ Prevention of corrosion.</li> </ul>		
8	08	How do organism reproduce?	<ul style="list-style-type: none"> <li>• Do organisms create exact copies of themselves?</li> <li>• Modes of reproduction used by single organisms</li> <li>• Sexual reproduction</li> </ul>	<ul style="list-style-type: none"> <li>❖ The important of variation</li> <li>❖ Fission</li> <li>❖ Fragmentation</li> <li>❖ Regeneration</li> <li>❖ Budding</li> <li>❖ Vegetative propagation</li> <li>❖ Spore formation</li> <li>❖ Why the sexual mode of reproduction?</li> <li>❖ Sexual reproduction in flowering plant?</li> <li>❖ Reproduction in human being</li> </ul>	10	PD II
9	12	Electricity	<ul style="list-style-type: none"> <li>• Electric current and circuits</li> <li>• Electric potential</li> <li>• Circuit diagram</li> <li>• Ohms law</li> <li>• Factors on which resistance depends</li> <li>• Heating effect Of current</li> <li>• Electric power</li> </ul>	<ul style="list-style-type: none"> <li>■ Resistance of a system of resistor</li> <li>■ Resistor in series and parallel <ul style="list-style-type: none"> <li>• Practical application</li> </ul> </li> </ul>	10	PD II
10	04	Carbon & its compound	<ul style="list-style-type: none"> <li>• Bonding in carbon</li> <li>• Versatile nature of carbon</li> <li>• Chemical properties</li> </ul>	<ul style="list-style-type: none"> <li>❖ Saturated and unsaturated carbon compounds</li> </ul>	10	PD II

			<ul style="list-style-type: none"> <li>• Some carbom compound</li> <li>• Soaps and detergents</li> </ul>	<ul style="list-style-type: none"> <li>❖ Chain,branches and ring</li> <li>❖ Homologous series</li> <li>❖ Nomenclature</li> <li>❖ Addition and substitution reaction</li> <li>❖ Ethanol and ethanoic acid</li> </ul>		
11	09	Heredity & evolution	<ul style="list-style-type: none"> <li>• Accumulation of variation</li> <li>• Heredity</li> <li>• Evolution</li> <li>• Speciation</li> <li>• Evaluation and classification</li> </ul>	<ul style="list-style-type: none"> <li>❖ Inherited traits</li> <li>❖ Sex determination</li> <li>❖ Acquired and inherited traits</li> <li>❖ Tracing evolutionary</li> <li>❖ Fossils</li> <li>❖ Stages of evaluation</li> <li>❖ Human evaluation</li> </ul>	09	PD III
12	15	Our environment	<ul style="list-style-type: none"> <li>• Ecosystem</li> <li>• How our activities affect the environment.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Food chain and webs</li> <li>❖ Ozone layer</li> <li>❖ Managing the garbage</li> </ul>	06	PD III
13	13	Magnetic effect of electric current	<ul style="list-style-type: none"> <li>• Magnetic field and field lines, right hand thumb rule</li> <li>• Magnetic field for current carrying conductor</li> <li>• Electric motor</li> <li>• Electromagnetic induction</li> <li>• Electric generator</li> <li>• Domestic electric circuits</li> </ul>	<ul style="list-style-type: none"> <li>❖ Force on a current carrying conductor.</li> <li>❖ Magnetic field due to straight wire</li> <li>❖ Due to circular loop, sloenoid</li> </ul>	12	PD III

