

**ST. MARY'S SENIOR SECONDARY SCHOOL, RUDRAPUR****ANNUAL SYLLABUS (2024-25)****CLASS XI HUMANITIES****ENGLISH CORE (301)**

<b>MONTH</b>	<b>CHAPTER NO.</b>	<b>CHAPTER NAME</b>
April	Writing skill Hornbill 1 Snapshot	Advertisement Writing The Portrait of a Lady The Summer of the beautiful white horse
May	Poetry 1 Hornbill  Writing Skill	A Photograph Discovering Tut PT—1 Poster
July	Snapshot 2 Hornbill 3 Poetry 2	We're not afraid to die The Address The Laburnum Top
August	Poetry 3 Writing Grammar	The Voice of the Rain Speech Integrated Grammar P.T II
September	(play) Snap. 5 Snap. 7 Hornbill 7	Mother's Day Birth The Adventure Clauses Half Yearly Examination
October	Hornbill 8 Poetry 4 Poetry 5	Silk Road Father to Son PT--III
November	Writing Poem Writing	Debate Childhood Note-Making
December	Unseen Passages Revision	Comprehension Writing Tasks  P.T III
January	Snap. 8	The Tale of Melon City Revision
February		Annual Examination

**SUBJECT- HISTORY (027)**

April	World History	Section A: Early Societies Ch-1- Writing and City Life  Section B: Empires  Ch-2-An Empires across three continents
May	World History	Section B:Empires Ch-3-Nomadic Empire  Section C: Changing Traditions Ch-4- The Three Orders  PERIODIC TEST-1
July	World History	Section C: Ch-5- Changing Cultural Tradition  Section D: Paths to Modernisation Ch-6- Displacing indigenous People
August	World History	Section D: Paths to Modernisation  Ch-7- Paths to Modernisation  PERIODIC TEST-2
September		Revision For Exam Half Yearly Examination
October		PERIODIC TEST-3
November		Revision For Exam
December		PERIODIC TEST-4
January		FINAL PRACTICAL
February		ANNUAL EXAMINATION

**SUBJECT-POLITICAL SCIENCE (028)**

MONTH	BOOK NAME	CHAPTER NAME
April	Part-A-Indian Constitution Of Work	Ch-1- Constitution: Why and How?
	Part-B- Political Theory	Ch-1- Political Theory
May	Part-A-Indian Constitution Of Work	Ch-2- Rights in the Indian Constitution.
	Part-B- Political Theory	Ch-2- Freedom <b>PERIODIC TEST-1</b>
July	Part-A-Indian Constitution Of Work	Ch-3- Election and Representation
	Part-B- Political Theory	Ch-3- Equality
August	Part-A-Indian Constitution Of Work	Ch-4- Executive
	Part-B- Political Theory	Ch-4- Social Justice  <b>PERIODIC TEST-2</b>
September	Part-A-Indian Constitution Of Work	Ch-5- Legislature
	Part-B- Political Theory	Ch-5-Citizenship  <b>HALF YEARLY EXAMINATION</b>

October	Part-A-Indian Constitution Of Work  Part-B- Political Theory	Ch-6- Judiciary  Ch-6-Nationalism  <b>PERIODIC TEST-3</b>
November	Part-A-Indian Constitution Of Work  Part-B- Political Theory	Ch-7- Secularism  Ch-8-Local Government
December  January  February	Part-A-Indian Constitution Of Work	Ch-9- Constitution as a Living Document Ch-10-The Philosophy of the Constitution <b>PERIODIC TEST-4</b> <b>FINAL PRACTICAL</b> <b>ANNUAL EXAMINATION</b>

## SUBJECT – ECONOMICS

MONTH	CHAPTER NAME AND DETAILED SYLLABUS
APRIL	<i>Unit 1: Introduction to statistics</i> <i>Unit 4: Introduction to microeconomics</i> <i>Unit 5: Consumer's Equilibrium and Demand</i>
MAY	<b>PERIODIC TEST – 1</b> <i>Unit 3: Statistical Tools and Interpretation</i> <b>Measures of Central Tendency</b> – Arithmetic mean, median and mode. <i>Unit 2: Collection, Organization and Presentation of data</i> <i>Unit 5: Consumer's Equilibrium and Demand</i>
JULY	<i>Unit 6: Producer Behaviour and Supply</i>
AUGUST	<b>PERIODIC TEST 2</b> Unit 3: Statistical Tools and Interpretation <b>Correlation</b> – Meaning and properties, scatter diagram; Measures of correlation – Pearson's method (two variables ungrouped data)
SEPTEMBER	<b>HALF YEARLY EXAMINATION</b>

<b>OCTOBER</b>	<p><i>Unit 3: Statistical Tools and Interpretation</i></p> <p><i>Introduction to Index Numbers – Meaning, types – wholesale price index, consumer price index, uses of index numbers; Inflation and index numbers.</i></p> <p><b>PERIODIC TEST 3</b></p>
<b>NOVEMBER</b>	<p><i>Unit 3: Statistical Tools and Interpretation</i></p> <p><i>uses of index numbers; Inflation and index numbers</i></p>
<b>DECEMBER</b>	<p><b>PERIODIC TEST 4</b></p> <p>Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications.</p>
<b>JANUARY</b>	<b>Revision</b>
<b>FEBRUARY</b>	<b>ANNUAL EXAMINATION</b>

### PHYSICAL EDUCATION

<b>MONTH</b>	<b>UNIT</b>	<b>TOPIC</b>
<b>APRIL</b>	<b>Changing trends and career in physical education.</b>	<ul style="list-style-type: none"> <li>● Meaning &amp; definition of physical education, Aims and objectives of physical education.</li> <li>● Various career options and courses available in physical education.</li> <li>● Importance of physical education and physical education programmed in India in post-independence.</li> <li>● Advancement technology in sports in physical education.</li> <li>● Meaning of Khelo India and fit India programme.</li> <li>● Vision and objectives of Khelo India and fit India.</li> </ul>

<b>APRIL</b>	<b>Olympic value education</b>	<ul style="list-style-type: none"> <li>● History of ancient and modern Olympic games.</li> <li>● Describe summer and winter Olympic games.</li> <li>● Rules of ancient Olympic and modern Olympic games.</li> <li>● Olympic symbol, ideals, objectives and values of Olympism.</li> <li>● Olympic movement structure-IOC, NOC, IFS, other members.</li> </ul>
<b>MAY</b>	<b>Yoga</b>	<p style="text-align: center;"><b>PERIODIC TEST-1</b></p> <ul style="list-style-type: none"> <li>● Meaning and importance of yoga.</li> <li>● Introduction to astang yoga.</li> <li>● Yogic kriyas 9shat karma).</li> <li>● Pranayama and its types.</li> <li>● Active lifestyle and stress management through yoga.</li> </ul>
<b>JULY</b>	<b>Unit VI Test &amp; Measurement in Sport</b>	<ul style="list-style-type: none"> <li>● Define test, measurement and evaluation.</li> <li>● Importance of test, measurement and evaluation in sports.</li> <li>● Calculation of BMI, waist- ratio, skin fold measurement (3-site).</li> <li>● Somato (endomorph, mesomorph &amp; ectomorph).</li> <li>● Measurement of health-related fitness.</li> </ul>
<b>AUGUST</b>	<b>Unit VII fundamental of anatomy, physiology and kinesiology</b>	<p style="text-align: center;"><b>PERIODIC TEST-2</b></p> <ul style="list-style-type: none"> <li>● Definition and importance of anatomy and physiology in exercise and sports.</li> <li>● Function of skeletal system, classification of bones, and types of joints.</li> <li>● Properties and functions of muscles.</li> <li>● Structure and functions of circulatory system and heart.</li> <li>● Structure and functions of respiratory system.</li> </ul>

<p><b>SEPTEMBER</b></p> <p><b>OCTOBER</b></p> <p><b>OCTOBER</b></p> <p><b>NOVEMBER</b></p>	<p><b>Unit VIII Biomechanics &amp; Sports</b></p> <p><b>Unit IX Psychology &amp; Sports</b></p> <p><b>Unit X Training and doping in Sports</b></p>	<ul style="list-style-type: none"> <li>● Definition and importance of kinesiology and biomechanics in sports.</li> <li>● Principles of biomechanics.</li> <li>● Kinetic and kinematic in sports. Types of body movement- flexion, extension, abduction, adduction, rotation circumduction, supination &amp; pronation.</li> <li>● Axis and planes- concept and its application in body movement.</li> </ul> <p><b>Half yearly examination</b></p> <p><b>PERIODIC TEST-3</b></p> <ul style="list-style-type: none"> <li>● Definition and importance of psychology in physical education and sports.</li> <li>● Developmental characteristics at different stages of development.</li> <li>● Adolescent problems &amp; their management.</li> <li>● Team cohesion and sports.</li> <li>● Introduction to psychological attributes: Attention, resilience, mental toughness.</li> <li>●</li> <li>● Concept and principles of sports training.</li> <li>● Training load: over load, adaptation and recovery.</li> <li>● Warming up &amp; limbering down-types, method importance.</li> <li>● Concept of skill, technique, tactics &amp; strategies.</li> <li>● Concept of doping and its disadvantages.</li> </ul>
<p><b>DECEMBER</b></p> <p><b>JANUARY</b></p> <p><b>FEBRUARY</b></p>		<p><b>PERIODIC TEST-4</b></p> <p><b>REVISION</b></p> <p><b>FINAL EXAMINATION</b></p>

## XI SYLLABUS OF MATHEMATICS 2024-25

MONTH	CHAPTER TOPICS	ACTIVITY
<b>APRIL</b>	<p><b>Sets:</b> Sets and their representations. Empty set. Finite and Infinite sets. Equal sets. Subsets. Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set.</p> <p><b>Relations &amp; Functions :</b> Ordered pairs, Cartesian product of sets. Number of elements in the cartesian product of two finite sets. Cartesian product of the sets of real</p>	<b>ACTIVITY ON PICTORIAL OF SETS</b>
<b>MAY</b>	<p><b>3. Trigonometric Functions</b> Expressing <math>\sin(x \pm y)</math> and <math>\cos(x \pm y)</math> in terms of <math>\sin x</math>, <math>\sin y</math>, <math>\cos x</math> &amp; <math>\cos y</math> and their simple application. Deducing identities like the following</p> <p style="text-align: center;"><b>UNIT TEST</b></p>	<b>MATH ACTIVITY ON GRAPHS</b>
<b>JULY</b>	<p><b>4. . Complex Numbers and Quadratic Equations:</b> Need for complex numbers, especially <math>\sqrt{-1}</math>, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers..</p> <p><b>5. Permutations and Combinations</b> Fundamental principle of counting</p>	<b>PASCAL TRIANGLE</b>
<b>AUGUST</b>	<p><b>7. Binomial Theorem</b> History, statement and proof of the binomial theorem for positive integers</p> <p><b>6. Sequence and Series</b> Sequence and Series. Arithmetic Progression (A.P.). Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., Arithmetic and Geometric</p> <p style="text-align: center;">UNIT TEST</p>	
<b>SEPTEMBER</b>	<p><b>Straight Lines:</b> Brief recall of two dimensional geometry from earlier classes. Shifting of origin. Slope of a line and angle between two lines.</p> <p style="text-align: center;"><b>HALF YEARLY EXAMINATION</b></p>	<b>ACTIVITES BASED ON GENERATION OF CONIC SECTION</b>

<p style="text-align: center;"><b>OCTOBER</b></p>	<p><b>2. Conic Sections</b> :Sections of a cone: circles, ellipse, parabola, hyperbola; a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle.</p> <p style="text-align: center;">UNIT TEST</p>	<p style="text-align: center;"><b>Limits and their geometrical meaning,</b></p>
<p style="text-align: center;"><b>NOVEMBER</b></p>	<p><b>Limit and derivative</b></p> <p>Concept of Limits and Derivatives</p> <p><b>1. Statistics</b></p>	
<p style="text-align: center;"><b>DECEMBER</b></p>	<p>Measures of dispersion; Range, mean deviation, variance and standard deviation of ungrouped/grouped data. Analysis of frequency distributions with equal means but different variances.</p> <p style="text-align: center;">UNIT TEST</p>	
<p style="text-align: center;"><b>JANUARY</b></p>	<p>Conditional probability, multiplication theorem on probability. independent events, total probability, Baye's theorem, Random variable and its probability distribution</p> <p style="text-align: center;"><b>REVISION OF CHAPTERS AND EXTRA QUESTIONS</b></p>	<p style="text-align: center;"><b>LAB ACTIVITY</b></p>
<p style="text-align: center;"><b>FEBRUARY</b></p>	<p style="text-align: center;"><b>FINAL XAMINATION</b></p>	

**Computer Science (Python 083) Syllabus-(2024-25)  
Class XI (Theory+ Practical)**

Month	Chapter Name	Periods		Activity
		Theory	Practical	
April	➤ Computational Thinking and Programming-1	45	30	Boolean Logic and Test Quiz



<b>July</b>	➤ Computer Systems and Organisation	40	30	Make a Chart on Computer Generation
<b>August</b>	➤ Conditional Statement and Iteration in Python	10	10	Make a PPT to Explain IF_ELSE step by step
<b>September</b>	<b>Half Yearly Exams</b>			
<b>October</b>	➤ String and list in Python.	20	30	Super First Five. 15 Program Quiz
<b>November</b>	➤ Debugging in programming.			
<b>December</b>	➤ Tuples in Python. ➤ Dictionary in Python.	30	35	Python Programing File Creation. 25 Programs
<b>January</b>	➤ Society, Law and Ethics. ➤ Revisions ➤ File and Project Work	20	15	Project Work and Chart on Society, Law and Ethics on Internet.
<b>February</b>	<b>Final Exams</b>			

**Information Technology (802) Syllabus-(2024-25)**  
**Class XI (Theory+ Practical)**

<b>Month</b>	<b>Unit Name</b>	<b>Theory</b>	<b>Practical</b>
<b>April</b>	<b>Part-A</b> Unit 1: Communication Skills-III	10	02
	<b>Part-B</b> Unit -1: Computer Organization		
<b>May</b>	<b>Part-A</b> Unit 2: Self-Management Skills-III	11	03
	<b>Part-B</b> Unit -2: Networking and Internet		
<b>PERIODIC TEST 1<sup>ST</sup></b>			
<b>July</b>	<b>Part-A</b> Unit 3: ICT Skills-III <b>Part-B</b> Unit -2: Networking and Internet (cybercrime and the need of Cyber Security)	12	02
<b>August</b>	<b>Part-B</b> Unit-3: Office Automation Tools <b>Part-A</b> Unit 4: Entrepreneurial Skills-III	08	07

<b>PERIODIC TEST 2<sup>nd</sup></b>			
<b>HALF YEARLY PRACTICAL</b>			
<b>September</b>	<b>Part-B</b> Unit-4: RDBMS	04	02
	<b>HALF YEARLY EXAMS</b>		
<b>October</b>	<b>Part-B</b> Unit-4: RDBMS	06	08
	<b>PERIODIC TEST 3<sup>RD</sup></b>		
<b>November</b>	<b>Part-B</b> Unit-5: Fundamentals of Java Programming	06	08
	<b>Part-A</b> Unit 5: Green Skills-III		
<b>December</b>	<b>Part-B</b> Unit-5: Fundamentals of Java Programming	07	05
	<b>PERIODIC TEST 4<sup>th</sup></b>		
<b>January</b>	Practical File, Project Work Revision Work + Lab Visit	03	05
	<b>ANNUAL EXAMINATION PRACTICAL</b>		
<b>February</b>	<b>ANNUAL EXAMINATION</b>		

**Change can be acceptable as per CBSE update.**

## **YOGA(841) syllabus-(2024-25)**

### **Class XI (Theory+Practical)**

<b>MONTH</b>	<b>UNIT NAME</b>
April	Part-A Unit-1:Communication Skill-III a- Methods of communication. b- communication styles. c- writing skills. Part-B Unit-1: Introduction to yoga and yogic practices-I a- yoga Etymology,definition, Aim, objective and misconception. b- Yoga origin, history and development.
May	Part-A Unit- 2 Self-management Skill-I a-Introduction. b- Impressive appearance and grooming. c- Teamwork skill d- Time management strategies and techniques. Part-B Unit-B- Introduction to yoga and yogic practices-I a- Rules and regulations to be followed by yoga practitioners. b- Introduction to major school of yoga. c- Introduction to yogic practices.
	<b>PERIODIC TEST -1</b>

July	<p>Part-A Unit- 3: ICT Skills-III a- introduction to word processing. b- software packages for word processing.</p> <p>Part-B Unit-2: Introduction to Yogic texts-I a- Introduction and study of patanjali yoga sutra including memorization of selected sutra. b- Introduction and study of Bhagavad Gita including memorization of selected slokas.</p>
August	<p>Part- B Unit-2: Introduction to Yogic texts-I a- Introduction of hatha pradpika.</p> <p>Part- A Unit- 3: ICT Skills-III a- Opening and exiting the word processor. b- Creating a document.</p>
	PERIODIC TEST -2
September	HALF YEARLY EXAMS
October	<p>Part-A Unit- 4: Entrepreneurial Skill-III a- Entrepreneurial skills. b- Types of business activities.</p> <p>Part-B Unit- 2: Introduction to Yogic texts-I a- Introduction and study of Gheranda samhita.</p>
	PERIODIC TEST -3
November	<p>Part-B Unit-3: Yoga for health promotion-I a- Brief introduction to the human body. b- Role of yoga for health promotion. c- Yogic attitudes and practices.</p> <p>Part-B Unit-4:Entrepreneurial Skill-III a- Entrepreneurial Values. b- Entrepreneurial Attitudes.</p>
December	<p>Part-A Unit-5: Green skill a-Introduction. b- Components of green economy c- Water management d- Policy initiatives for the green economy in india. e- Stakeholder in green economy and their role</p> <p>Part-B Unit-3: Yoga for health promotion-I a- Holistic approach of yoga towards health and diseases. b- Introduction to yoga diet and its relevance and importance in yoga Sadhana.</p>

	c- Dincharya and Ritucharya with respect of yogic lifestyle.
	PERIODIC TEST -4
January	Practical File/ project work Revision Work/ demonstration of skills.
February	ANNUAL EXAMINATION

