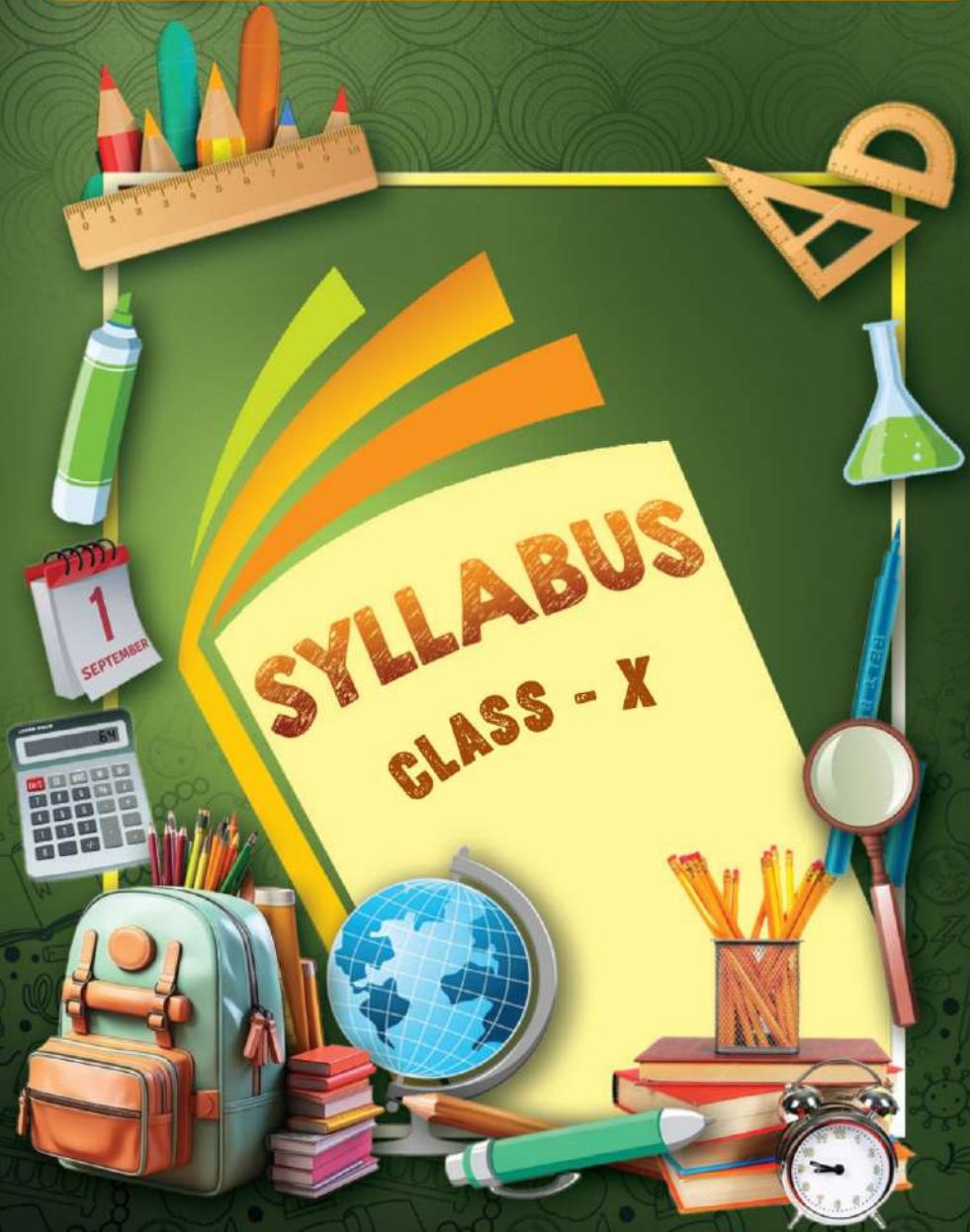




# DELHI PUBLIC SCHOOL DURGAPUR



## English Session: 2024-25

Education	Literature reader	Writing	Grammar	Main Course
April	Two Gentlemen of Verona	Email	Tenses	Health and
	Mrs. Packletide's Tiger			Medicine
	He Frog and The Nightingale			
	The Letter			
May-June	PT - 1 Examination			
May	Not Marbled or The Gilded Monuments	Formal Letter	Modals	Education
	A Shady Plot			
June	A Shady Plot Continued Ozymandias	Formal Letter Continued	Subject Verb Concord	Science
July	Potolbabu, Filmstar The Dear Departed	Factual Description	Reported Speech	Environment
August	Virtually True	Magazine Article	Reported Speech Continued	Travel & Tourism
	The Rime of The Ancient Mariner			
Revision for PT - 2 Examination				
September	PT - 2 Examination			
September	The Rime of The Ancient Mariner	Magazine Article Continued	Clauses	National Integration
	Snake			
October	Julius Caesar	Revision	Determiners	Revision
November	PT - 3 Examination			
November	Julius Caesar Continued	Revision	Revision	Revision
Board Syllabus Completion				
December	Preboard			
December	Revision			
January	Practicetest			

## Physics

Session: 2024-25

Month	Unit	Topic	Sub-Topic	Practicals
April	1	Light	Reflection of Light At Curved Surface; Terms Related To Spherical Mirrors; Images Formed By Spherical Mirrors	
			Mirror Formula (Derivation Not Required); Magnification; Numerical Based on The Above Topics; Application of Mirrors. laws of Refraction; Refractive Index	To determine the focal length of a concave mirror, by obtaining the image of a distant object;
			Applications of Refraction; Refraction of Light By Spherical Lenses; Lens formula (Derivation not required); Magnification;	To determine the focal length of a convex lens, by obtaining the image of a distant object.
May-June	Periodic Test - I			
May	1	Light	Power of lens; Numerical of lens formula and magnification; Application of Lenses.	To trace the path of a ray of light through a rectangular glass slab for different angles of incidence; Measure the angle of incidence, angle of refraction, angle of emergence and interpret the results;
June	2	Human Eye And colourful World	Structure of human eye; Function in goflensin human eye; Defects of Vision And Remedies.	
July	2		Dispersion of light by glass prism; Rainbow formation; Atmospheric Refraction, Twinkling of Stars.	To trace the path of a light ray through a glass prism
July	2	Human Eye and colourful world	Tyndall effect; Application of scattering (excluding colour of the sun at sunrise and sunset)	

## Physics

Session: 2024-25

Contd. 2

Month	Unit	Topic	Sub-Topic	Practicals
August	3	Electricity	Electric current & circuit; Potential, Potential difference, Ohm's law; Resistance, factors on which resistance depends;	To study the dependence of Potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V & I.
<b>Periodic Test - II</b>				
September	3	Electricity	Series and Parallel combination of resistors; Numericals based on resistors and combination of resistors. Heating effect of electric current; Electric power; Inter- relation between P, V, and R. Numericals based on the topic.	To determine the equivalent resistance of two resistors when connected in series; Determine the equivalent resistance of two resistors when connected in parallel.
October	4	Magnetic Effects of Electric Current	Magnetic field lines; Oersted's experiment. Magnetic field due to current carrying wire, Coil and Solenoid; Force on current carrying conductor.	
<b>Periodic Test - III</b>				
November	4	Magnetic Effects of Electric Current	Fleming's Left handrule; Alternating Current, Direct Current Domestic wiring system, Importance of fuse, Earthing, Overload, Short-circuit	
December	<b>Pre - Board</b>			
January	<b>Practice Test</b>			

\*Syllabus as prescribed by CBSE.

## Chemistry Session: 2024-25

Month	Unit	Topic	Subtopic	Practical Experiment
April	1	Chemical Reactions and Equations	Chemical reaction - definition, characteristics of chemical reaction with examples. Writing a chemical equation, skeletal equation, balanced chemical equation, balancing of chemical equations. Types of chemical reactions - combination, exothermic and endothermic reactions, decomposition, displacement, double displacement, oxidation and reduction. Corrosion, rancidity.	To perform and observe different types of chemical reactions.
<b>Periodic Test - 1</b>				
May	2	Acids, Bases and Salts	Introduction to acids, bases, indicators. Understanding the chemical properties of acids and bases.	
June	2	Acids, Bases and Salts	Understanding the chemical properties of acids and bases (continued). What do all acids and all bases have in common? Dilution of acids and bases. Strength of acids and basic solutions.	To study the properties of acids and bases.
July	2	Acids, Bases and Salts	Importance of pH in everyday life. Salts - family of salts, pH of salts, chemicals from common salt, chlor-alkali process, bleaching powder, baking soda, washing soda, water of crystallization in salts, Plaster of Paris.	To find the pH of sample solutions by using pH paper/ universal indicator.
July	3	Metals and Non-metals	Introduction, physical properties of metals and non-metals. Chemical properties of metals (reactions), the Reactivity series.	To study the reactivity of metals using the metal and their salt solutions.

## Chemistry Session: 2024-25

Contd. 2

Month	Unit	Topic	Subtopic	Practical Experiment
	3	Metals and Non-metals	Occurrence of metals, extraction of metals, refining of metals. Corrosion of metal and its prevention, alloys.	
August	4	Carbon and its Compounds	Importance of carbon, catenation, bonding in carbon - the covalent bond, versatile nature of carbon. Saturated and unsaturated carbon compounds.	
September	4	Carbon and its Compounds	Saturated and unsaturated carbon compounds (continued), chains, branches and rings present in carbon compounds. Homologous series, functional groups.	
October	4	Carbon and its Compounds	Hydrocarbons, isomerism. Nomenclature of carbon compounds. Chemical properties of carbon compound (reactions).	
<b>Periodic Test - 3</b>				
November	4	Carbon and its Compounds	Some important carbon compounds-Ethanol and Ethanoic acid. Soaps and detergents.	To study the properties of acetic acid.
				To study the comparative cleaning capacity of a sample of Soap in soft and hard water.
<b>Revision</b>				
December	<b>Pre Board Examination*</b>			
January	<b>Practice Test*</b>			

\*Entire Syllabus as prescribed by CBSE

## Biology Session: 2024-25

Month	Topic	Subtopic
April	Life Processes	What are Life Processes Autotrophic Nutrition Heterotrophic Nutrition Practical- To prepare a temporary mount of a leaf peel to show stomata
May - June	PT - 1 Examination	
May	Life Processes	Respiration
June	Life Processes	Transportation Excretion
July	Control & Coordination	Animals- Nervous System Coordination in plants Hormones in animals Practical- To show experimentally that CO <sub>2</sub> is given out during respiration (animals&plants)
August	How do Organisms Reproduce	Do organisms create exact copies of themselves? Modes of Reproduction used by unicellular Organisms Practical- Studying Budding in Yeast and Binary Fission in Amoeba from prepared slides
		Revision for PT - 2 Examination
September	PT - 2 Examination	
	How do Organisms Reproduce	Sexual Reproduction in Plants and Human Beings Reproductive health Practical- To identify the different parts of an embryo of a dicot seed.
September	Heredity	Accumulation of Variation during reproduction Heredity - Monohybrid and Dihybrid Crosses Sex Determination
October	Our Environment	Ecosystem- What are its components How do our activities affect the environment
November	PT - 3 Examination	
November	Board Syllabus Completion and Revision	
December	Pre Board	
December	Revision	
January	Practice Test	

# Mathematics

## Session: 2024-25

Month	Topic	Sub - Topic
April	Real Numbers	Fundamental Theorem of Arithmetic, Proof of irrationality
	Polynomials	Zeros of a Polynomial, Relationship between Zeros and coefficients of quadratic polynomial
	Trigonometry	Introduction to Trigonometry, Trigonometric Ratios, Some Specific Angles Trigonometrical Identities.
May - June	<b>PT - 1 Examination</b>	
May	Heights and Distances	Concept of Angle of Elevation, Angle of Depression, Heights and Distances.
June	Quadratic Equation	Standard form of quadratic equation. Solution of a quadratic Equations (only real roots) by Factorisation and by using quadratic formula. Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated.
July	Circles	Theorems based on Tangent properties of a circle.
	Triangles	Similar Figures, Similarity of Triangles and its criteria
August	Pair Of Linear Equation In Two Variables	Graphical Method, Solution of a pair of Linear equations, consistency/ inconsistency. Algebraic Methods (Substitution Method, Elimination Method) Simple situational problems.
	Statistics	Calculation of Mean, Median and Mode for grouped frequency distribution
<b>Revision for PT - 2 Examination</b>		
September	<b>PT - 2 Examination</b>	
	Arithmetic Progression	Identification of a series as AP, nth term of an AP, Sum of first 'n' terms of an AP and their application in solving daily life problem.
	Coordinate Geometry	Concepts of coordinate geometry, graphs of linear equations, Distance Formula, Section Formula (internal division)
October	Probability	Probability – A theoretical Approach
	Area Related to Circles	Area of sectors and segments of a circle. Problem based on areas and perimeter / circumference of the above said plane figures (in calculating area of a segment of a circle, problem should be restricted to central angle of 60 , 90 and 120 )
November	<b>PT - 3 Examination</b>	
	Surface Area & Volumes	Surface area and volumes of combination of figures – cube, cuboid, right circular cylinder, cones, sphere and hemisphere
December	<b>Pre Board</b>	
	<b>Revision</b>	
January	<b>Practice Test</b>	



# History & Political Science

Session: 2024-25

Month	Unit	Topics	Sub-Topics
April	1	Power Sharing	Case Studies of Belgium and Sri Lanka Why Power Sharing is Desirable? Forms of Power Sharing
	2	Federalism	What is Federalism? What makes India a Federal Country? How is Federalism practiced? Decentralisation in India
	3	Nationalism in Europe	The French Revolution and the Idea of Nation The Making of Nationalism in Europe The Age of Revolutions: 1830-1848
<b>Periodic Test 1 (May - June)</b>			
May	3	Nationalism in Europe	The Making of Germany and Italy Visualising the Nation Nationalism and Imperialism
May	4	Nationalism in India	The First World War, Khilafat and Non Cooperation Differing Strands within the Movement
June		Nationalism in India	Towards Civil Disobedience The Sense of Collective Belonging
July	5	Political Parties	Why do we need Political Parties? How many Parties should we have? National Political Parties State Parties Challenges to Political Parties How can Parties be reformed?
July	6	Gender, Religion & Caste	Gender and Politics Religion, Communalism and Politics Caste and Politics
August	7	Print Culture and the Modern World	The first Printed Books Print Comes to Europe The Print Revolution and its Impact The Reading Mania The Nineteenth Century
	<b>Revision for Periodic Test 2</b>		
September	<b>Periodic Test 2</b>		
September	7	Print Culture and the Modern World	India and the World of Print Religious Reforms and Public Debates New Forms of Publication Print and Censorship

## History & Political Science Session: 2024-25

Contd. 2

Month	Unit	Topics	Sub-Topics
October	8	The Age of Industrialisation	Before the Industrial Revolution Hand Labour and Steam Power Industrialisation in the Colonies Factories Come Up The Peculiarities of Industrial Growth Market for Goods
October	9	Out comes of Democracy	How do we assess democracy's out come? Accountable, responsive and legitimate government Economic Growth and Development Reduction of Inequality and Poverty Accommodation of social diversity Dignity and freedom of the citizens
November	Periodic Test 3		
November	10	The Making of a Global World	The Pre Modern World (Rest of the chapter to be assessed through an Integrated project)
December	Pre - Board Examination, Revision		
January	Practice Test		

Syllabus for Final Examination: Entire syllabus as prescribed by CBSE.

## Economics Session: 2024-25

Month	Unit	Topics	Sub Topics
April	1	Development	<ul style="list-style-type: none"> <li>What Development Promises - Different People Different Goals</li> <li>Income And Other Goals</li> <li>National Development</li> <li>How To Compare Different Countries Or States?</li> </ul>
<b>PT 1 Examination</b>			
May	1	Development	<ul style="list-style-type: none"> <li>Income And Other Criteria</li> <li>Public Facilities</li> <li>Sustainability Of Development</li> </ul>
June	2	Sectors Of Indian Economy	<ul style="list-style-type: none"> <li>Sectors Of Economic Activities</li> <li>Comparing The Three Sectors</li> <li>Primary, Secondary And Tertiary Sectors In India</li> </ul>
July	2	Sectors Of Indian Economy (Contd.)	<ul style="list-style-type: none"> <li>Division Of Sectors As Organized And Unorganized.</li> <li>Sectors In Terms Of Ownership: Public And Private Sectors</li> </ul>
August	3	Money And Credit	<ul style="list-style-type: none"> <li>Money As A Medium Of Exchange</li> <li>Modern Forms Of Money.</li> <li>Loan Activities Of Banks.</li> <li>Two Different Credit Situations.</li> <li>Terms Of Credit.</li> </ul>
<b>PT 2 Examination</b>			
September	3	Money And Credit	<ul style="list-style-type: none"> <li>Formal sector credit in India</li> <li>Self Help Groups for the Poor</li> </ul>
	4	CONSUMER RIGHTS Note: The Chapter 'Consumer Rights' to be done as Project Work.	<ul style="list-style-type: none"> <li>Gets Familiarized With The Rights And Duties As A Consumer; And Legal Measures Available To Protect From Being Exploited In Markets. Every Student Has To Compulsorily Undertake The Project On Consumer Rights/ Awareness</li> </ul>
October	5	Globalisation and The Indian Economy	<ul style="list-style-type: none"> <li>What Is Globalization?</li> <li>Factors That Have Enabled Globalisation.</li> <li>To Be Evaluated In The Board Examination</li> </ul>

**Economics** Session: 2024-25

Contd. 2

Month	Unit	Topics	Sub Topics
<b>PT 3 Examination</b>			
November	5	Globalisation and The Indian Economy	<b>For Inter - Disciplinary Project</b> <ul style="list-style-type: none"> <li>• Production Across The Countries</li> <li>• Chinese Toys In India</li> <li>• World Trade Organisation</li> <li>• The Struggle For A Fair Globalisation</li> </ul>
<b>Revision</b>			
December			Pre - Board
January			Practice Test

Syllabus for Pre-Board Examination is as prescribed by CBSE Board

## Geography Session: 2024-25

Month	Unit	Topics / Chapters	Sub Topics
April	1	Resource and Development	<ul style="list-style-type: none"> <li>• Concept</li> <li>• Development of Resources</li> <li>• Resource Planning Resource Planning in India, Conservation of Resources</li> <li>• Land Resources</li> <li>• Land Utilization</li> <li>• Land Use Pattern in India</li> <li>• Land Degradation and Conservation Measures</li> <li>• Soil as A Resource - Classification Of Soils</li> <li>• Soil Erosion and Soil Conservation</li> </ul>
<b>PT 1 Examination</b>			
May	2	Forest Resources	<ul style="list-style-type: none"> <li>• Conservation of forest and wildlife in India</li> </ul>
June	2	Forest Resources	<ul style="list-style-type: none"> <li>• Types and Distribution of Forests Andwildlife Resources</li> <li>• Community and Conservation</li> </ul>
	3	Water Resources	<ul style="list-style-type: none"> <li>• Water Scarcity and The Need For Waterconservation and Management</li> <li>• Multi-Purpose River Projects and Integratedwater Resources Management</li> <li>• Rainwater Harvesting</li> </ul>
July	4	Agriculture	<ul style="list-style-type: none"> <li>• Types of Farming - Primitive Subsistence, Intensive Subsistence, Commercial</li> <li>• Cropping Pattern - Major Crops, Food Crops other Than Grains, Non-Food Crops</li> <li>• Technological and Institutional Reforms</li> </ul>
	5	Mineral and Energy Resources	<ul style="list-style-type: none"> <li>• What is A Mineral?</li> <li>• Mode of Occurrence of Minerals-Where Arethese Minerals Found?</li> <li>• Ferrous Minerals, Non-Ferrous Minerals, Non-Metallic Minerals, Rock Minerals</li> <li>• Conservation of Minerals</li> <li>• Energy Resources – Conventional Sources Ofenergy, Non-Conventional Sources of Energy</li> <li>• Conservation of Energy Resources</li> </ul>
August	6	Manufacturing Industries	<ul style="list-style-type: none"> <li>• Importance Of Manufacturing - Industrial Location</li> <li>• Classification Of Industries.</li> </ul>

## Geography Session: 2024-25

Contd. 2

Month	Unit	Topics / Chapters	Sub Topics
<b>PT 2 Examination</b>			
September & October	6	Manufacturing Industries	<ul style="list-style-type: none"> <li>Industrial Pollution And Environmental Degradation</li> <li>Control of Environmental Degradation</li> </ul>
<b>PT 3 Examination</b>			
November	7	Lifelines of National Economy	<ul style="list-style-type: none"> <li>Only Map Pointing To Be Evaluated In Board Examination</li> <li>Inter Disciplinary Project (Internal Assessment)</li> </ul>
<b>Revision</b>			
December			Pre - Board
January			Practice Test

Syllabus for Pre-Board Examination is as prescribed by CBSE Board

## Computer Science Session: 2024-25

Month	Chapter	Sub-Topic
April	<ol style="list-style-type: none"> <li>1. Introduction to the Internet</li> <li>2. Introduction to HTML</li> <li>3. Setting the Page Appearance</li> </ol>	<ul style="list-style-type: none"> <li>• Basics of the Internet</li> <li>• Internet Terminologies</li> <li>• Internet Services</li> <li>• Identifying the Fundamentals of HTML</li> <li>• Creating a Web Page</li> <li>• Setting the Page Properties</li> <li>• Organizing Text on a Web Page</li> </ul>
May - June	Periodic Test - 1	
May	<ol style="list-style-type: none"> <li>4. Formatting Text</li> <li>5. Creating Lists</li> </ol>	<ul style="list-style-type: none"> <li>• Inserting Paragraphs</li> <li>• Changing Fonts</li> <li>• Emphasizing/ Applying Text</li> <li>• Creating an Unordered List</li> <li>• Creating an Ordered List</li> <li>• Creating a Nested List</li> <li>• Creating a Definition</li> </ul>
June	<ol style="list-style-type: none"> <li>6. Navigating through Web Pages</li> </ol>	<ul style="list-style-type: none"> <li>• Linking Web Pages</li> <li>• Linking Sections of Web Page</li> </ul>
July	<ol style="list-style-type: none"> <li>7. Adding Images and Tables</li> <li>8. Creating a Form</li> <li>9. Cascading Style Sheets</li> </ol>	<ul style="list-style-type: none"> <li>• Adding Images in a Web Page</li> <li>• Making Images as Hyperlinks</li> <li>• Adding Tables in a Web Page</li> <li>• Merging Table Cells</li> <li>• Enhancing the Appearance</li> <li>• Creating the Structure of a Form</li> <li>• Adding Data Input Elements</li> <li>• Adding Data Selection Elements</li> <li>• Adding Buttons</li> <li>• Cascading Style Sheets and its Types</li> <li>• CSS Style rule – Color and Background Properties</li> </ul>
August	<ol style="list-style-type: none"> <li>10. Cyber Ethics</li> </ol>	<ul style="list-style-type: none"> <li>• Software licenses and open source software movement</li> <li>• Intellectual Property Rights</li> </ul>
August - September	Periodic Test - 2	

## Computer Science Session: 2024-25

Contd. 2

Month	Chapter	Sub-Topic
September	11. Fun with Scratch 12. Introduction to Python (Special coverage Python Module-1)	<ul style="list-style-type: none"> <li>Basics of Scratch</li> <li>Understanding Control Blocks</li> <li>Creating Games, Animated Images, Stories and Songs</li> <li>Data types in Python</li> <li>Using Variables in Python</li> <li>Lists in Python</li> </ul>
October	Strings in Python (Special coverage Python Module-2)	<ul style="list-style-type: none"> <li>Working with Strings</li> <li>Converting a String</li> </ul>
November	<ul style="list-style-type: none"> <li>Programming with Python (Python Module-2)</li> <li>Revision</li> </ul>	<ul style="list-style-type: none"> <li>Python data types and variables</li> <li>Conditionals; if, if-else Statement</li> </ul>
November	Periodic Test - 3	
December	Continuation Programming with Python	<ul style="list-style-type: none"> <li>Nested conditional Constructs</li> <li>Loops in Python</li> </ul>
January	Special Coverage- Artificial Intelligence - UNIT - 1   EXCITE Special Coverage- Artificial Intelligence - UNIT - 2   RELATE	<ul style="list-style-type: none"> <li>To know about the term Artificial Intelligence (AI)</li> <li>To identify and appreciate Artificial Intelligence (AI),</li> <li>To describe its applications in life.</li> <li>Relate, apply and reflect on the Human-Machine Interactions through AI Games.</li> <li>To identify and interact with the three domains of AI: Data, Computer Vision and Natural Language Processing.</li> <li>Learners to relate to application of Artificial Intelligence in their daily lives.</li> <li>To unleash their imagination towards smart homes and build an interactive story around it.</li> </ul>
February	Revision for Annual Examination	
	Annual Examination	



# Artificial Intelligence

Session: 2024-25

Month	Chapter	Core Concepts
April	Foundational concepts of AI	<b>Session: What is Intelligence?</b> <ul style="list-style-type: none"> <li>❖ Role of Intelligence in Our Lives</li> <li>❖ Types of Intelligence</li> <li>❖ What is Decision-Making</li> <li>❖ Role of Intelligence in Decision-Making</li> <li>❖ What AI is</li> <li>❖ What AI is NOT</li> <li>❖ How Machines become Intelligent</li> </ul>
	Basics of AI: Let's Get Started	<b>Session: Introduction to AI and related terminologies</b> <ul style="list-style-type: none"> <li>❖ AI Technologies</li> <li>❖ Domains of AI</li> <li>❖ Real Life AI Applications</li> <li>❖ Ethical Issues Around AI</li> <li>❖ AI bias and AI Access</li> </ul>
May - June	<b>PT 1 Examination</b>	
May	AI Project Cycle: Introduction Problem Scoping Data Acquisition Data Exploration	<b>Session: Introduction to AI Project Cycle</b> <ul style="list-style-type: none"> <li>❖ Stages of AI Project Cycle</li> <li>❖ Choosing a Theme and Topic of AI Project</li> <li>❖ Identify the Problems and Around the Selected Topics</li> <li>❖ Define problem statement and set actions</li> <li>❖ Significance of Data</li> <li>❖ Types of Data used in AI Projects</li> <li>❖ Data Acquisition</li> <li>❖ Ways to Visualise Data</li> </ul>
	AI Project Cycle: Modelling Evaluation	<ul style="list-style-type: none"> <li>❖ Categories of AI Models</li> <li>❖ Supervised Learning</li> <li>❖ Unsupervised Learning</li> <li>❖ Semi-Supervised Learning</li> <li>❖ Reinforcement Learning</li> <li>❖ Artificial Neural Network (ANN)</li> <li>❖ Model Evaluation Metrics</li> </ul>

# Artificial Intelligence

Session: 2024-25

Contd. 2

Month	Chapter	Core Concepts
June	NATURAL LANGUAGE PROCESSING: Introduction Chatbots	<b>Session: Introduction to Natural Language Processing</b> ❖ What is NLP? ❖ NLP Applications ❖ AI Project Cycles for an NLP Application ❖ Understanding Chatbots
	NATURAL LANGUAGE PROCESSING: Language Differences Concepts of NLP	❖ Human Language vs. Computer Language ❖ Concepts of NLP ❖ Bag of Words (BoW) <b>Hands - On</b> ❖ TFIDF (Optional) ❖ NLTK
July	Evaluation	<b>Session: Introduction to Model Evaluation</b> ❖ Evaluating an AI Model ❖ Confusion Matrix ❖ Accuracy ❖ Precision ❖ Recall ❖ F1 Score
August	ADVANCE PYTHON (To be assessed through Practicals)	<b>Session: Advance Python</b> ❖ Jupyter Notes & other Python Development Platforms ❖ Working in Python ❖ Tokens - Smallest Individual Units ❖ Barebones of a Python Program ❖ Variables & Assignments ❖ Data Types ❖ Getting User Input in Python ❖ Operators ❖ The if Statement ❖ The if-else statement ❖ The range() Functions and Operators in, not in ❖ The for Loop ❖ The while Loop
	Self-Management Skills-II	❖ Stress ❖ Work Independently
	ICT Skills - II	❖ Types of Operating Systems ❖ Menu, Icons, and Taskbar on the Desktop

# Artificial Intelligence

Session: 2024-25

Contd. 3

Month	Chapter	Core Concepts
August		<ul style="list-style-type: none"> <li>❖ Creating and Managing Files and Folders</li> <li>❖ Cleaning External Components</li> <li>❖ Scanning and Cleaning Viruses</li> <li>❖ Firewall and Cookies</li> </ul>
	Entrepreneurial Skills - II	<ul style="list-style-type: none"> <li>❖ Entrepreneurship and Society</li> </ul>
<b>Revision For PT - 2 Examination</b>		
September		<b>PT - 2 Examination</b>
	DATA SCIENCE (To be assessed through Practicals) INTRODUCTION	<b>Session: Introduction to Data Science</b> <ul style="list-style-type: none"> <li>❖ What is Data Science?</li> <li>❖ Application of Data Science</li> <li>❖ Data Science with AI Project Cycle</li> <li>❖ Data Collection</li> </ul>
	DATA SCIENCE (To be assessed through Practicals) PYTHON FOR DATA SCIENCE	<ul style="list-style-type: none"> <li>❖ NumPy</li> <li>❖ Pandas</li> <li>❖ Matplotlib</li> <li>❖ Basic Statistics</li> <li>❖ K-nearest Neighbour Model (Optional)</li> </ul>
October	Communication Skills - II	<ul style="list-style-type: none"> <li>❖ Body language</li> <li>❖ Communication Cycle</li> <li>❖ Barriers to Effective Communication</li> <li>❖ Principles of Effective Communication</li> <li>❖ Parts of a Sentence and Speech</li> <li>❖ Articles &amp; Phrases</li> <li>❖ Art of Storytelling</li> </ul>
	Green Skills - II	<ul style="list-style-type: none"> <li>❖ Sustainable Development</li> </ul>
<b>PT - 3 Examination</b>		
November	COMPUTER VISION	<b>Session: Introduction to Computer Vision</b> <ul style="list-style-type: none"> <li>❖ What is CV?</li> <li>❖ Application of CV</li> <li>❖ Concepts of CV</li> <li>❖ Python OpenCV</li> <li>❖ Convolution Operator</li> <li>❖ Introduction to CNN</li> </ul>
		<b>Hands - On</b> Image Processing Using OpenCV
December	<b>Pre Board</b>	
	<b>Revision</b>	
January	<b>Practice Test</b>	

Hindi 2<sup>nd</sup> Language Session: 2024-25

MONTH	LANGUAGE	LITERATURE
APRIL	अपठित गद्यांश, अनुच्छेद लेखन समास, वाक्य रूपांतरण मुहावरे	बड़े भाई साहब साखी-कबीर
MAY - JUNE	PT-1 EXAMINATION	
MAY		पद-मीरा
JUNE	पदबंध, सूचना लेखन	ततौरा-वामीरो कथा, अब कहाँ दूसरे के दुःख से दुखी होने वाले, पर्वत प्रदेश में पावस
JULY	औपचारिक पत्र, लघु कथा	पतझड़ में टूटी पत्तियाँ, मनुष्यता कर चले हम फ़िदा, हरिहर काका
AUGUST	विज्ञापन लेखन ई मेल	कारतूस, सपनों के से दिन तोप
	REVISION FOR PT-2 EXAMINATION	
SEPTEMBER	PT-2 EXAMINATION	
SEPTEMBER	लघु कथा लेखन, पदबंध, मुहावरे, समास (पुनरावृत्ति)	टोपी शुक्ला, डायरी का एक पन्ना
OCTOBER	सूचना लेखन, विज्ञापन लेखन वाक्य-रूपांतरण (पुनरावृत्ति)	तीसरी कसम के शिल्पकार शैलेन्द्र, आत्मत्राण
NOVEMBER	PT-3 EXAMINATION	
NOVEMBER	Board Syllabus completion	
DECEMBER	PRE BOARD	
DECEMBER	REVISION	
JANUARY	PRACTICE TEST	

Bengali 2<sup>nd</sup> Language Session: 2024-25

MONTH		
APRIL	বোধ পরীক্ষণ, ব্যঞ্জনসন্ধি	জ্ঞানচক্ৰ (গদ্য), তিন পাহাড়ের কোলে (কবিতা)
MAY - JUNE	PT-1 EXAMINATION	
MAY	নির্মিতি - অনুচ্ছেদ	গল্পগুচ্ছ - পোস্টমাস্টার
JUNE	নির্মিতি - সম্পাদকীয় পত্র, বিসর্গ সন্ধি	আয় আরো বেঁধে বেঁধে থাকি (কবিতা), গল্পগুচ্ছ - পোস্টমাস্টার
JULY	বাক্য পরিবর্তন- সরল, জটিল, যৌগিক বাক্য	আলো বাবু (গদ্য), একাকারে (কবিতা) গল্পগুচ্ছ - কানুলিওয়াল
AUGUST	Syllabus Continuation	
	REVISION FOR PT-2 EXAMINATION	
SEPTEMBER	PT-2 EXAMINATION	
SEPTEMBER	সমাস - দ্বন্দ্ব, কর্মধারয়, অব্যয়ীভাব	অদল বদল (গদ্য), গল্পগুচ্ছ - দান প্রতিদান
OCTOBER	সাধু- চলিত ভাষা, অনুচ্ছেদ,	বহুরূপী (গদ্য), অস্ত্রের বিরুদ্ধে গান (কবিতা) গল্পগুচ্ছ - দান প্রতিদান
NOVEMBER	PT-3 EXAMINATION	
NOVEMBER	Board Syllabus completion	
DECEMBER	PRE BOARD	
DECEMBER	REVISION	
JANUARY	PRACTICE TEST	

Sanskrit 2<sup>nd</sup> Language Session: 2024-25

MONTH	LANGUAGE	LITERATURE
APRIL	समयलेखनम्, अपठितगद्यांशः, संधिः, चित्रवर्णनम्, समासाः, प्रत्ययाः	वाङ्मयं तपः, नास्ति त्यागसमम् सुखम्
MAY - JUNE	PT -1 EXAMINATION	
MAY	संवादलेखनम्, अव्ययपदानि	रमणीया हि सृष्टिः एषा,
JUNE	अठितगद्यांशः, चित्रवर्णनम्	आज्ञा गुरुणाम् हि अविचारणीया
JULY	पत्रलेखनम्, वाच्यपरिवर्तनम्	अभ्यासवशगं मनः, राष्ट्रं संरक्ष्यमेव हि
AUGUST	संधि, संवादलेखनम्, चित्रवर्णनम्, अपठितगद्यांशः	साधुवृत्तिं समाचरेत्, तिरुक्कुरल-सूक्ति-सौरभम्
REVISION FOR PT-2 EXAMINATION		
SEPTEMBER	PT-2 EXAMINATION	
SEPTEMBER	पत्रलेखनम्, चित्रवर्णनम्	सुस्वागतं भो ! अरुणाचलेऽस्मिन्
OCTOBER	संशोधनम्, संधि, अपठितगद्यांशः, समासाः	कालोऽहम् (केवलम् आन्तरिकमूल्यांकनाय), किं किम् उपादेयम् (केवलम् आन्तरिकमूल्यांकनाय)
NOVEMBER	PT - 3 EXAMINATION	
NOVEMBER	BOARD SYLLABUS COMPLETION	
DECEMBER	PRE-BOARD	
	REVISION	
JANUARY	PRACTICE TEST	

French 2<sup>nd</sup> Language Session: 2024-25

MONTH	CHAPTER'S NAME	SUB TOPIC
APRIL	Leçon 2 - Après le bac	Pronoms Personnels - COD/COI, Les proverbes
		Se présenter, Décrire un lieu, Demander un avis
		Demander un renseignement
		Exprimer la volonté ; Le futur antérieur ; La forme nominale ; Comprehension/Culture & Civilisation
	Leçon-3 -Chercher du travail	Decrire la catriere professionnelle
		Conseiller quelqu'un
		Pronoms relatifs simples et composes; Comprehension/Culture & Civilisation
MAY-JUNE	PT-1 EXAMINATION	
MAY	Leçon 4 - Le plaisir de lire	Raconter un evenement, inviter quelqu'un ( Letter writing using Passé composé & Imparfait)
		Plus que parfait ,Comprehension/Culture & Civilisation
JUNE	Leçon 5 - Les Medias	Raconter des faits divers;Nominal form, pronoms personnels Y & EN; Comprehension/Culture & Civilisation
JULY	Leçon 6 - Chacun ses goûts	Decrire une visite; Les pronoms demonstratifs simples et composés
		Comprehension/Culture & Civilisation
AUGUST		Subjonctif, Le conditionnel présent
		REVISION FOR PT-2 EXAMINATION
SEPTEMBER	PT-2 EXAMINATION	
SEPTEMBER	Leçon-7 - En pleine forme	Pronoms possessifs ;
		S'informer de la santé de quelqu'un
		Comprehension/Culture & Civilisation
OCTOBER	Leçon 8 - L'environnement	Faire des projets pour sauver la planete - letter writing
		Si clauses
		Comprehension/Culture & Civilisation
NOVEMBER	Leçon 10 - Vive la République	Le discours rapport ; Exprimer un désir/regret -message writing
		Discuter le systeme politique; Comprehension/Culture & Civilisation
NOVEMBER	PT-3 EXAMINATION	
DECEMBER	PRE BOARD	
DECEMBER	REVISION	
JANUARY	PRACTICE TEST	

## German 2<sup>nd</sup> Language Session: 2024-25

MONTH	CHAPTER	SUB-TOPIC
APRIL	Food	Indirect questions with question words and using "ob" Adjectives in Nominative and Accusative case without articles Comprehension Dialogue writing
MAY- JUNE	PERIODIC TEST 1	
MAY	Media	Simple past tense Prepositions of place and direction in Accusative, Dative and Mixed
JUNE	Media	Relative clause: Relative pronouns with prepositions. Degrees of adjectives: comparative and superlative
JULY	Learning languages	Subordinate clauses: "weil" and "obwohl" Past perfect tense Comprehension Dialogue writing Email writing
AUGUST	Revision For Periodic Test 2	
AUGUST - SEPTEMBER	PERIODIC TEST 2	
SEPTEMBER	Involvement in social causes	Relative clause: relative pronoun "wo", "was"
OCTOBER	Involvement in social causes	Clause of time: "als" and "nachdem" Email writing Comprehension Dialogue writing
NOVEMBER	PERIODIC TEST 3	
NOVEMBER - DECEMBER	PRE BOARD	
JANUARY	PRACTICE TEST	
FEBRUARY	FINAL EXAMINATION	