St Patrick's Junior College, Agra

CLASS IX - XII

FINAL TERM SYLLABUS 2023-24

Class	Subject	Syllabus
IX	**English Language (Paper 1)**	Total English unit 10-12 Composition writing Letter writing Notice Email Grammar + syllabus of 1st and 2nd term
	English literature (Paper 2)	Literature 1. The boy who broke the bank 2. A doctor's journal entry Julius Caesar Act 2 scene 2 to 4 + syllabus of 1st and 2nd term
	Physics	1.Current Electricity, 2.Magnetism. First and Second term syllabus.
	Chemistry	Ch 7. Study of Gas laws Ch 8. Atmospheric pollution + Chapters from 1st and 2nd term
	Maths	1.Expansions 2.Factorization 3.Simultaneous Equation 4.Triangles 5.Isosceles Triangles 6.Rectilinear Figures 7.Area Theorems 8.Circle 9.Statistics 10.Mean and Median 11.Area and Perimeter of Plane figures 12.Solids 13.Trigonometrical Ratios 14. Trigonometrical Ratios of Standard Angles 15. Solution of Right Triangles 16. Graphical Solution 17. Distance Formula
	Biology	1. Tissues: Plant and Animal Tissues. 2. Seeds: Structure and Germination. 3. Digestive System. 4. The Respiratory system. 5. Hygiene –(A key to healthy life). 6. Diseases: Cause and Control.

		7. AIDS to Health.
		8. Health Organizations.
		9. Waste Generation and Management.
	Hindi	गद्य भाग ककी, महायज्ञ का पुरस्कार, नेताजी का चश्मा, अपना अपना भाग्य, बड़े घर की बेटी। पद्य भाग गिरधर की कुंडलियां , स्वर्ग बना सकते हैं , वह जन्मभूमि मेरी, मेघ आए, विनय के पद , सूर के पद। व्याकरण काल, मुहावरे, वाच्य, वाच्य परिवर्तन,निबंध16-26(सरस व्याकरण)। अपठित गद्यांश, पत्र लेखन 25-35(सरस व्याकरण)
	Computer Application	Ch1: Principles of object oriented programming Ch2: Introduction to Java Ch 3: Elementary concept of objects and classes Ch 4: Values and Data types Ch 5: Operators in Java Ch 6: Input in Java Ch 7: Mathematical Library methods Ch 8: Conditional constructs in Java Ch 9: Iterative constructs in Java Ch 10: Nested for loops Ch 11: Computing and Ethics
	Home Science	Unit 2:- Food and Health Unit 3:- Growth and Development Unit 4:- The Home and it's Management. Unit 5:- Textile Science and Fabric Construction Unit 6:- Communication and Extension.
	Economic	1. Impact of industrial waste and its accumulation 2. Infrastructure of Indian economy 3. World trade organization and multinational corporation 4. Consumer Awareness 5. Globalisation 6. Basic problem of an economy
	History and civic	1. Harappan Civilization 2. The Vedic Period 3. Jainism and Buddhism 4. The Mauryan Age 5. The Sangam Age 6. Age of the Guptas 7. Medieval India (A) The Cholas 8. Medieval India (B) The Delhi Sultanate 9. Medieval India (C) The Mughal Empire 10. Medieval India (D) Composite Culture 11. Modern Age in Europe (A) Renaissance 12. Modern Age in Europe (B) Reformation 13. Modern Age in Europe (C) Industrial Revolution

			Civics 1. Our Constitution 2. Salient features of the Constitution I 3. Salient features of the Constitution II 4. Elections 5. Local Self-Government- Rural 6. Local Self-Government- Urban
	Geography		1. Earth as a Planet 2. Geographic grid - Latitudes and Longitude 3. Rotation and Revolution 4. Earth's structure 5. Landforms of the Earth 6. Rocks 7. Volcanoes 8. Earthquakes 9. Weathering 10. Denudation 11. Hydrosphere 12. Composition and Structure of Atmosphere 13. Insolation 14. Atmospheric Pressure and Winds 15. Humidity 16. Pollution 17. Sources of Pollution 18. Effects of Pollution 19. Preventive Measures 20. Natural regions of the world.
XI	**English Language (Paper 1)**		(Total English unit 10-12) Composition Writing Report Writing Proposal writing Grammar + syllabus of 1st and 2nd term
	English literature (Paper 2)		1. Thank you Ma'am 2. Strange meeting Macbeth- Act 2 scene2 to 4 + syllabus of 1st and 2nd term
	Physics		1.Simple Harmonic Motion, 2.Oscillations and Waves, 3.Stretched String, 4.Doppler's effect in Sound. First and Second term syllabus.
	Chemistry		1. Hydrocarbons 2. Equilibrium 3. Syllabus of 1st and 2nd term
	Maths		SECTION-I

		1.Relations and Functions 2.Trigonometry 3.Permutation and Combination 4. Sequence and Series 5. Limits and Derivatives 6.Probability SECTION-II 1.Statistics 2.Correlation Analysis 3.Index Numbers & Moving Averages
	Biology	1. Morphology of Flowering Plants 2. Anatomy of Flowering Plants 3. Cell cycle and Cell division. 4. Photosynthesis in Higher Plants. 5. Digestion and Absorption. 6. Breathing and Exchange of gases. 7. Body Fluids and Circulation. 8. Excretory Products and their Elimination. 9. Locomotion and Movement. 10. Neural Control and Coordination. 11. Chemical Coordination and Integration
	Economic	1. The problem of poverty in India 2. Profile of Indian agriculture/ Rural development 3. Human capital formation 4. Economic growth and development 5. Structural changes in the Indian economy after liberalisation 6. Parameters of development 7. Central tendency 8. Dispersion
	Commerce	1. Wholesale trade 2. Retail trade 3. Procedure document use in Home trade 4. Foreign trade 5. Emerging modes of business 6. Insurance 7. Forms of business organisation
	Accounts	• Journal • Ledger • Triple column cash book • Single entry system • Bills of exchange • Non Trading Organization • Final Accounts with and without Adjustments. • Rectification of errors • Depreciation
	Hindi	गद्य संकलन पुत्र प्रेम, गौरी ,शरणागत, सती, आउटसाइडर।

		काव्य मंजरी
		साखी, बाल लीला ,एक फूल की चाह , आ:धरती कितना देती है,
		नदी के द्रीप।
		संपूर्ण आषाढ़ का 1 दिन
		व्याकरण
		निबंध, अपठित गद्यांश, अशुद्ध शुद्ध,मुहावरे।
	Home Science	Unit 2:- Food and Nutrition
		Unit 3:- Resource Management
		Unit 4:- Storage and Preservation of Food
		Unit 5:- Human Psychology and Development
		Unit 6 :-Textile Science and care and Maintenance of Textiles
		Unit 7:- Communication and Extension.
	Computer Science	Unit 1 : Basic Computer Hardware and Software
		Unit 2 : Introduction to Oops
		Unit 3