

LORETO CONVENT SCHOOL
MODEL EXAMINATION
2023-24
Syllabus- Class 10

SUBJECT	SYLLABUS
ENGLISH	<ul style="list-style-type: none"> • <u>COMPREHENSION</u> • 1. Discursive passage of 400-450 words. • 2. Case-based factual passage (with visual input-statistical data, chart etc.) of 200-250 words. • <u>GRAMMAR</u> • Determiners • Tenses • Modals • Subject – verb concord • Reported speech • Commands and requests • Statements • Questions • <u>WRITING SKILLS</u> • Formal Letter • Analytical Paragraph • <u>LITERATURE</u> • <u>1. FIRST FLIGHT</u> • <u>A. Prose</u> • i. A Letter to God • ii. Nelson Mandela - Long Walk to Freedom • iii. Two Stories About Flying • iv. From the Diary of Anne Frank • v. Glimpses of India • vi. Mijbil the Otter • vii. Madam Rides the Bus • viii. The Sermon at Benares • ix. The Proposal (Play) • <u>B. Poem</u> • 1. Dust of Snow • 2. Fire and Ice • 3. A Tiger in the Zoo • 4. How to Tell Wild Animals • 5. The Ball Poem • 6. Amanda! • 7. The Trees • 8. Fog • 9. The Tale of Custard the Dragon • 10. For Anne Gregory • <u>2. FOOTPRINTS WITHOUT FEET</u> • 1. A Triumph of Surgery • 2. The Thief's Story • 3. The Midnight Visitor • 4. A Question of Trust • 5. Footprints Without Feet • 6. The Making of a Scientist • 7. The Necklace • 8. Bholi • 9. The Book that Saved the Earth
HINDI	स्पर्श- पद्य1 कबीर के दोहे , 2 मीरा के पद,

	<p>3 मनुष्यता 4 पर्वत प्रदेश में पावस 5 तोप 6 कर चले हम फिदा 7 आत्मत्राण गद्य -1 बड़े भाई साहब 2 डायरी का पन्ना 3 ततारा वामीरो 4 तीसरी कसम के शिल्पकार शैलेंद्र 5 अब कहाँ दूसरे के दुःख से दुखी होने वाले 6 पतझर में टूटी पत्तियाँ -गिन्नी का सोना, ज़ेन की देन 7 कारतूस संचयन - 1 हरिहर काका 2 सपनों के से दिन 3 टोपी शुक्ला लेखन कौशल:-अनुच्छेद लेखन, पत्र लेखन,विज्ञापन लेखन, सूचना लेखन, लघुकथा लेखन,ईमेल लेखन व्याकरण:- अपठित गद्यांश, समास ,पदबंध, वाक्य रूपांतरण, मुहावरे</p>
MATHEMATICS	<ol style="list-style-type: none"> 1. Real Numbers 2. Polynomials 3. Pair of Linear Equations in Two Variables 4. Quadratic Equations 5. Arithmetic Progressions 6. Triangles 7. Coordinate Geometry 8. Introduction to Trigonometry 9. Some Applications of Trigonometry 10. Circles 11. Areas Related to Circles 12. Surface Areas and Volumes 13. Statistics 14. Probability
SCIENCE	<p>CHEMISTRY: Chapter 1: Chemical Reactions and Equations Chapter 2: Acids, Bases and Salts Chapter 3: Metals and Non-metals</p>

	<p>Chapter 4: Carbon and its Compounds</p> <p>PHYSICS:</p> <p>Chapter9 : Electricity</p> <p>Chapter 10: Magnetic Effect of electric current</p> <p>Chapter :11 Light</p> <p>Chapter :12 Human eye and the Colourful world.</p> <p>BIOLOGY- Chapter 5: Life Processes</p> <p>Chapter 6: Control and coordination</p> <p>Chapter 7: How Do Organisms Reproduce?</p> <p>Chapter 8: Heredity and Evolution</p> <p>Chapter 13: Our Environment</p>
SOCIAL SCIENCE	<p style="text-align: center;">HISTORY</p> <p>Chapter 1-Rise of Nationalism in Europe</p> <p>Chapter 2 - Nationalism In India</p> <p>Chapter 3- The Making of a Global World</p> <p>Chapter 5- Print Culture and the Modern Economy</p> <p style="text-align: center;">GEOGRAPHY</p> <p>Chapter1- Resources and Development</p> <p>Chapter 2 - Forest and Wildlife</p> <p>Chapter 3- Water Resources</p> <p>Chapter4- Agriculture</p> <p>Chapter 5 - Minerals and Energy resources</p> <p>Chapter 6- Manufacturing Industries</p> <p>Chapter 7- Lifelines of National economy (ONLY MAP)</p> <p style="text-align: center;">POLITICAL SCIENCE</p> <p>Chapter1- Power Sharing</p> <p>Chapter 2- Federalism</p> <p>Chapter 3- Gender, Religion and Caste</p> <p>Chapter 4: Political Parties</p> <p>Chapter 5-Outcomes of Democracy</p> <p style="text-align: center;">ECONOMICS</p> <p>Chapter 1-Development</p> <p>Chapter 2- Sectors of Indian Economy</p> <p>Chapter 3- Money and Credit</p> <p>Chapter 4- Globalization and the Indian Economy</p>
IT	<p>Part A:</p> <p>1) Communication Skills</p>

2) Self-Management Skills

3) ICT Skills

4) Entrepreneurial Skills

5) Green Skills

Part-B

1) Digital Documentation

2) Electronic Spreadsheet

3) Database Management System

4) Web Applications & Security

LORETO CONVENT SCHOOL

MODEL EXAMINATION

2023-24

Syllabus- Class 12

SUBJECT	SYLLABUS
ENGLISH	<p>Flamingo:</p> <ul style="list-style-type: none">• The Last Lesson• Lost Spring• Deep Water• The Rattrap• Indigo• Poets and Pancakes• The Interview• Going Places <p>Poetry</p> <ul style="list-style-type: none">• My Mother at Sixty-Six• Keeping Quiet• A Thing of Beauty• A Roadside Stand• Aunt Jennifer's Tigers <p>Vistas:</p> <ul style="list-style-type: none">• The Third Level• The Tiger King• Journey to the End of the Earth• The Enemy• On the Face of It• Memories of Childhood<ul style="list-style-type: none">○ The Cutting of My Long Hair○ We Too are Human Beings <p>Reading Comprehension</p> <p>Writing</p> <p>Notice; Invitations</p> <p>Letters- Job Application; Letter to the Editor</p> <p>Article; Report</p>

<p>PHYSICAL EDUCATION</p>	<p>UNIT- I Management of Sports Events UNIT- II Children and Women in Sports UNIT- III Yoga as Preventive measure for Lifestyle diseases. UNIT- IV Physical Education for CWSN (Children with special need) UNIT- V Sports and Nutrition UNIT- VI Test and Measurement in sports UNIT- VII Physiology and Injuries in Sports UNIT- VIII Biomechanics and Sports UNIT- IX Psychology and Sports</p>
<p>MATHEMATICS</p>	<ol style="list-style-type: none"> 1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Application of Derivatives 7. Integrals 8. Application of Integrals 9. Differential Equations 10. Vector Algebra 11. Three-Dimensional Geometry 12. Linear Programming 13. Probability
<p>INFORMATICS PRACTICES</p>	<p>Chapter-1 Pandas –I Chapter –2 Pandas-II Chapter-3 Data Visualization Chapter-4 Data transfer between pandas and CSV</p>

	<p>Chapter-5 Mysql revision tour</p> <p>Chapter-6 Mysql functions</p> <p>Chapter-7 Querying using Mysql</p> <p>Chapter-8 Join and Set operation</p> <p>Chapter-9 Introduction to Computer Networks</p> <p>Chapter-10 Introduction to Internet</p> <p>Chapter-11 Societal Impact</p> <p>Chapter-12 Data Protection (definitions of Malwares)</p>
PSYCHOLOGY	<p>Chapter 1- Variations in Psychological Attributes</p> <p>Chapter 2- Self and Personality</p> <p>Chapter 3- Meeting life Challenges</p> <p>Chapter 4- Psychological Disorder</p> <p>Chapter 5- Therapeutic Approaches</p> <p>Chapter 6- Attitude and Social Cognition</p> <p>Chapter 7- Social Influence and Group Processes</p>
ECONOMICS	<p>MACROECONOMICS</p> <p>Unit 1: National Income and Related Aggregates</p> <p>Unit 2: Money and Banking</p> <p>Unit 3: Determination of Income and Employment</p> <p>Unit 4: Government Budget and the Economy</p>

	<p>Unit 5: Balance of Payments</p> <p>INDIAN ECONOMIC DEVELOPMENT</p> <p>Unit 7: Development Experience (1947-90) and Economic Reforms since 1991</p> <p>Unit 8: Current Challenges facing Indian Economy</p> <ul style="list-style-type: none"> - Rural Development - Human Capital Formation - Employment - Sustainable Economic Development <p>Unit 9: Development Experience of India - A comparison with neighbours</p>
<p>COMPUTER SCIENCE</p>	<p>Chapter-1 Python revision tour-I</p> <p>Chapter –2 Python revision tour-II</p> <p>Chapter –3 Working with functions</p> <p>Chapter-4 Using Python libraries</p> <p>Chapter-5 File handling</p> <p>Chapter-6 Recursion</p> <p>Chapter-9 Data Structures (list and stack)</p> <p>Chapter-10 Computer Network-I</p> <p>Chapter-11 Computer Network-II</p> <p>Chapter-12 Database concepts</p> <p>Chapter-13 More on Sql</p> <p>Chapter-14 Table creation</p> <p>Chapter-15 Grouping and join in Sql</p> <p>Chapter-16 Interfacing Python with Sql</p>

<p>BIOLOGY</p>	<p>Chapter 1: Sexual reproduction in flowering plants</p> <p>Chapter 2: Human Reproduction</p> <p>Chapter 3: Reproductive Health</p> <p>Chapter 4: Principles of Inheritance and Variation</p> <p>Chapter 5: Molecular Basis of inheritance</p> <p>Chapter 6: Evolution</p> <p>Chapter 7: Human health and diseases</p> <p>Chapter 8: Microbes in human welfare</p> <p>Chapter 9 : Biotechnology Principles and processes</p> <p>Chapter 10: Biotechnology and it's application</p> <p>Chapter 11: Organism and population</p> <p>Chapter 12: Ecosystem</p> <p>Chapter 13: Biodiversity and Conservation</p>
<p>SOCIOLOGY</p>	<p>Book 1</p> <p>Ch 2. The Demographic Structure of Indian Society</p> <p>Ch 3. Social Institutions: Continuity and Change</p> <p>Ch 5. Patterns of Social Inequality and Exclusion</p>

	<p>Ch 6. The Challenges of Cultural Diversity Development in India</p> <p>Book 2</p> <p>Ch 8. Structural Change</p> <p>Ch 9. Cultural Change</p> <p>Ch 11. Change and Development in Rural Society</p> <p>Ch 12. Change and Development in Industrial Society</p> <p>Ch 15. Social Movements</p>
<p>HISTORY</p>	<p>Book 1</p> <p>Ch 1- Beads and Bones The Harappa: Civilisation</p> <p>Ch 2 - Kings, Farmers and Towns: Early States and Economies (c.600 BCE600 CE)</p> <p>Ch 3 - Kingship, Caste and class : Early Societies (c. 600 BCE600 CE)</p> <p>Ch 4 - Thinkers, Beliefs and Buildings : Cultural Developments (c. 600 BCE600 CE)</p> <p>Book 2</p> <p>Ch 5 - Through the eyes of Travellers : Perceptions of Society (c. tenth to seventeenth centuries)</p> <p>Ch 6 - Bhakti-Sufi Traditions : Changes in Religious Beliefs and Devotional Texts (c. eighth to eighteenth centuries)</p>

	<p>Ch 7 - An Imperial Capital – Vijayanagar (c. fourteenth to sixteenth centuries)</p> <p>Ch 8 - Peasants, zamindars and the States : Agrarian Society and the Mughal Empire (c. sixteenth-seventeenth centuries)</p> <p style="text-align: center;">Book 3</p> <p>Ch 9 - Colonialism and The Countryside</p> <p>Ch 10 - Rebels and Raj 1857 Revolt and its Representations</p> <p>Ch 11 - Mahatma Gandhi and the National Movement Civil Disobedience and Beyond</p> <p style="text-align: center;">Ch12 - Framing of the Constitution</p>
<p>POLITICAL SCIENCE</p>	<p style="text-align: center;">Book-1</p> <ol style="list-style-type: none"> 1. The End of Bipolarity 2. Contemporary Centers of Power 3. Contemporary South Asia 4. International Organizations 5. Security in the Contemporary World 6. Environment and Natural Resources 7. Globalization <p style="text-align: center;">Book-2</p> <ol style="list-style-type: none"> 1. Challenges of Nation Building 2. Era of One-Party Dominance 3. Politics of Planned Development 4. India’s External Relations

	<p>5. Challenges to and Restoration of the Congress System</p> <p>6. The Crisis of Democratic Order</p> <p>7. Regional Aspirations</p> <p>8. Recent Developments in Indian Politics</p>
ACCOUNTANCY	<p>Book 1: Accounting for Partnership Firms</p> <p>Book 2: Accounting for Companies</p> <p>Book 3: Analysis of financial Statements</p>
BUSINESS STUDIES	<p>Book 1: 1. Nature and Significance of Management</p> <p>2.Principles of management 3. Business Environment 4. Planning 5. Organizing 6. Staffing 7. Directing 8. Controlling</p> <p>Book 2: Chapter 1 to 4</p>
PHYSICS	<p>Chapter–1: Electric Charges and Fields</p> <p>Chapter–2: Electrostatic Potential and Capacitance</p> <p>Chapter–3: Current Electricity</p> <p>Chapter–4: Moving Charges and Magnetism</p> <p>Chapter–5: Magnetism and Matter</p> <p>Chapter–6: Electromagnetic Induction</p> <p>Chapter–7: Alternating Current</p> <p>Chapter–8: Electromagnetic Waves</p> <p>Chapter–9: Ray Optics and Optical Instruments</p>

	<p>Chapter–10: Wave Optics</p> <p>Chapter–11: Dual Nature of Radiation and Matter</p> <p>Chapter–12: Atoms</p> <p>Chapter–13: Nuclei</p> <p>Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits</p>
<p>CHEMISTRY</p>	<p>UNIT-1 SOLUTIONS</p> <p>UNIT 2-ELECTROCHEMISTRY</p> <p>UNIT 3-CHEMICAL KINETICS</p> <p>UNIT 4- d AND f-BLOCK ELEMENTS</p> <p>UNIT 5-COORDINATION COMPOUNDS</p> <p>UNIT 6-HALOALKANES AND HALOARENES</p> <p>UNIT 7-ALCOHOLS, PHENOLS AND ETHERS</p> <p>UNIT 8-ALDEHYDES, KETONES AND CARBOXYLIC ACIDS</p> <p>UNIT 9-AMINES</p> <p>UNIT 10-BIOMOLECULES</p>