



St. Mary's Convent Inter College

Manak Nagar, Lucknow

CLASS – 12 (Academic Session 2024-2025)

Subject	1 st Term Examination		2 nd Term Examination	
	First Assessment	First Term Exam	Second Assessment	Second Term Exam
ENGLISH LITERATURE	Macbeth- Act III Prism- Atithi Project Work- 20 marks	Macbeth- Act IV Prism- The Cookie Lady, There Will Come Soft Rains and Indigo Rhapsody- Telephone Conversation, Tithonus and Beethoven	Macbeth- Act V Prism- The Medicine Bag Rhapsody- Small Towns and the River and Death Be Not Proud	Full Syllabus
ENGLISH LANGUAGE	1. Proposal Writing 2. Functional Grammar Project Work- 20 marks	1. Composition (Descriptive, Narrative, Argumentative, Discursive, Reflective, Story Writing) 2. Directed Writing- Newspaper Report Writing, Article Writing, Book Review, Speech Writing, Statement of Purpose 3. Proposal Writing 4. Functional Grammar 5. Comprehension	1. Proposal Writing 2. Functional Grammar	Full Syllabus

<p style="text-align: center;">PHYSICAL EDUCATION</p>	<ol style="list-style-type: none"> 1. Sociological aspects of physical education . 2. Training methods 3. Both games cricket and football 	<p style="text-align: center;">SECTION A (THEORY)</p> <ol style="list-style-type: none"> 1. Sociological aspects of physical education . 2. Training methods . 3. Career aspects in physical education . <p style="text-align: center;">SECTION B (GAMES)</p> <ol style="list-style-type: none"> 1. Cricket & Football 	<ol style="list-style-type: none"> 1. Sociological aspects of physical education 2. Training methods . 3. Career aspects in physical education . 4. Competitions and tournaments . 5. Health Education & Health problems . 	<p style="text-align: center;">SECTION A (THEORY)</p> <ol style="list-style-type: none"> 1. All six chapters <p style="text-align: center;">SECTION B (GAMES)</p> <ol style="list-style-type: none"> 1. Cricket & Football . <p style="text-align: center;">Practical and project - 30 M. Project - File on both games.</p>
<p style="text-align: center;">CHEMISTRY</p>	<p>Chapter 1 Solutions Chapter 6 Haloalkanes and haloarenes Chapter 7 Alcohols, phenols and ethers</p>	<p>Chapter 1 Solutions Chapter 2 Electrochemistry Chapter 4 d- and f-block elements Chapter 5 Coordination compounds Chapter 6 Haloalkanes and haloarenes Chapter 7 Alcohols, phenols and ethers</p>		<p>Full syllabus(Chapter 1 to 10) Project work:10 marks Project on one of the topics out of the topics that will be discussed in the class.</p>
<p style="text-align: center;">COMPUTER SCIENCE</p>	<p>Chapter 1 : Boolean Algebra Chapter 2: Computer Hardware</p>	<p>Chapter 1 : Boolean Algebra Chapter 2: Computer Hardware Chapter 4: Recursion Chapter 5: Inheritance</p>	<p>Chapter 6 : Data structure – Stack and Queue Chapter 7: Data Structure- Binary Tree Project Work [10 marks] Project file consists of 20 programs done in Computer lab.</p>	<p>First term syllabus Chapter 6 : Data structure – Stack and Queues Chapter 7: Data Structure- Binary Tree Chapter 8: Computation Complexity</p>

<p style="text-align: center;">COMMERCE</p>	<p>UNIT-1 BUSINESS ENVIRONMENT Chapter-1- Business Environment</p> <p>UNIT-2 FINANCING Chapter-2-Capital –Fixed and Working Chapter-3-Sources of Finance for a Joint Stock Company Chapter-4- Banking Latest Trends</p> <p>UNIT-3 MANAGEMENT Chapter-5-Management- Meaning, Nature and Importance Chapter-6-Principles of Management Chapter-7-Functions of Management and Coordination</p> <p>UNIT-4 MARKETING Chapter-15- Consumer Protection</p>	<p>UNIT-1 BUSINESS ENVIRONMENT Chapter-1- Business Environment</p> <p>UNIT-2 FINANCING Chapter-2-Capital –Fixed and Working Chapter-3-Sources of Finance for a Joint Stock Company Chapter-4- Banking Latest Trends</p>	<p>UNIT-3 MANAGEMENT Chapter-5-Management- Meaning, Nature and Importance Chapter-6-Principles of Management Chapter-7-Functions of Management and Coordination Chapter-8-Planning</p> <p style="text-align: center;">Project (Marks 20) (ANY TWO TOPICS to be chosen from the following for 10 Marks each)</p> <ol style="list-style-type: none"> 1. SWOT analysis of any goods, services, or of a company 2. Latest Banking trends 3. Consumer Protection - any five case laws 4. Marketing Strategies of two FMCG companies. 5. Organizational Structure of two companies <p>NOTES: a. <u>Each</u> project must have common page of an Index, Acknowledgement, Preface in the beginning and bibliography at the last. b. <u>Each</u> topic must be supplemented by learning, conclusions drawn and understanding of facts</p>	<p>UNIT-1 BUSINESS ENVIRONMENT Chapter-1- Business Environment</p> <p>UNIT-2 FINANCING Chapter-2-Capital –Fixed and Working Chapter-3-Sources of Finance for a Joint Stock Company Chapter-4- Banking Latest Trends</p> <p>UNIT-3 MANAGEMEN Chapter-5-Management- Meaning, Nature and Importance Chapter-6-Principles of Management Chapter-7-Functions of Management and Coordination Chapter-8-Planning Chapter-9-Organising Chapter-10- Staffing Chapter-11-Directing Chapter-12-Controlling</p> <p>UNIT-4 MARKETING Chapter-13- Marketing Meaning and Concepts Chapter-14- Marketing Mix Chapter-15- Consumer Protection</p>
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			<p>gathered while preparing topic on separate pages at the end of each topic.</p> <p>c. <u>At least 10 pages</u> must be used to cover up topics other than common pages.</p> <p>d. <u>No page</u> should be left blank and related pictures, photos, tables and charts must be used throughout and neatly pasted.</p>	
ACCOUNTS	(1) Accounting for Partnership Firms (Fundamentals)	(1) Accounting for Partnership Firms (Fundamentals) (2) Goodwill: Concepts and Valuation (3) Admission of Partner (4) Retirement of a Partner (5) Dissolution of Partnership Firm (6) Ratio analysis (7) Comparative Statements (8) Common Size Statement <u>Project Work</u> (1) Partnership (Fundamental Basic Concepts)	(1) Issue of shares	(1) Accounting for Partnership Firms (Fundamentals) (2) Goodwill: Concepts and Valuation (3) Admission of Partner (4) Retirement of a Partner (5) Dissolution of Partnership Firm (6) Issue of shares (7) Issue of debentures (8) Redemption of debentures (9) Financial statement of companies (10) Financial statement analysis (11) Ratio analysis (12) Comparative Statements (13) Common Size Statement (14) Cash flow statement

				<u>Project Work</u> (1) Comparative Statements (2) Common Size Statement
ECONOMICS	(1) Demand and law of demand (2) Theory of consumer behaviour	(1) Demand and law of demand (2) Theory of consumer behaviour (3) Elasticity of demand (4) Supply (5) Market mechanism: equilibrium price and quantity in a competitive market (6) Law of returns-return to factor and return to scale (7) Cost and revenue analysis (8) Forms of market (9) Producer equilibrium (10) Determination of equilibrium price and output under perfect competition (11) National income and circular flow of income (12) National income aggregates (13) Methods of measuring national income <u>Project Work</u> (1) Theory of consumer behaviour	(1) Theory of income and employment (2) Money: meaning and functions	(1) Demand and law of demand (2) Theory of consumer behaviour (3) Elasticity of demand (4) Supply (5) Market mechanism: equilibrium price and quantity in a competitive market (6) Law of returns-return to factor and return to scale (7) Cost and revenue analysis (8) Forms of market (9) Producer equilibrium (10) Determination of equilibrium price and output under perfect competition (11) Theory of income and employment (12) Money : meaning and functions (13) Banks: commercial bank and central banks (14) Balance of payments and exchange rate (15) Fiscal policy

				16) Government budget 17) National income and circular flow of income 18) National income aggregates 19) Methods of measuring national income Project Work (1) Money: meaning and functions (2) Banks: commercial bank and central banks
PHYSICS	Chapter: 1 Electric Charges & Fields Chapter: 2 Gauss' Theorem Chapter:3 Electric Potential	Chapter: 1 Electric Charges & Fields Chapter: 2 Gauss' Theorem Chapter:3 Electric Potential Chapter: 4 Capacitors & Dielectrics Chapter: 5 Electric Resistance & Ohm's Law Chapter: 6 DC Circuits & Measurements Chapter: 7 Moving Charges & Magnetic Field Chapter: 8 Torque on a Current Loop: Moving Coil Galvanometer Chapter:9 Magnetic Field & Earth's Magnetism Chapter: 10 Magnetic Classification of Substances	Chapter:14 Reflection of light Chapter:15 Refraction of light at a plane interface Chapter:16 Refraction of light at spherical surfaces: Lenses	Chapter: 1 Electric Charges & Fields Chapter: 2 Gauss' Theorem Chapter:3 Electric Potential Chapter: 4 Capacitors & Dielectrics Chapter: 5 Electric Resistance & Ohm's Law Chapter: 6 DC Circuits & Measurements Chapter: 7 Moving Charges & Magnetic Field Chapter: 8 Torque on a Current Loop: Moving Coil Galvanometer Chapter:9 Magnetic Field & Earth's Magnetism Chapter:10 Magnetic Classification Of Substances Chapter:11 Electromagnetic Induction

				<p>Chapter:12 Alternating Current Chapter:13 Electromagnetic Waves Chapter:14 Reflection of light Chapter:15 Refraction of light at a plane interface Chapter:16 Refraction of light at spherical surfaces: Lenses Chapter:17 Refraction and Dispersion of light through a prism Chapter:18 Optical instruments Chapter:19 Wave nature of light Chapter:20 Interference of light Chapter:21 Diffraction of light Chapter:22 Polarisation of light Chapter:23 Photoelectric effect Chapter:24 Matter waves Chapter:26 Atom, origin of spectra Chapter:27 Nuclear structure Chapter:28 Radioactivity Chapter:29 Mass-energy equivalence Chapter:30 Nuclear fission and nuclear fusion Chapter:31 Semiconductor electronics Chapter:32 Junction diodes Chapter:33 Junction transistors Chapter:34 Logic gates Chapter:35 Communication systems</p>
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<p>BIOLOGY</p>	<p>Unit 1 Reproduction Chapter 3 Human Reproduction Chapter 2 Sexual Reproduction in flowering plants Chapter 4 Reproductive Health</p>	<p>Chapter 2 Sexual Reproduction in flowering plants Chapter 3 Human reproduction Chapter 4 Reproductive Health Unit 2 Genetics and Evolution Chapter 5 Principles of inheritance and variation Chapter 6 Molecular Basis of inheritance Chapter 7 Origin of life Chapter 8 Evidences and theories of biological evolution Chapter 9 Human evolution Unit 3 Biology and human welfare Chapter 10 Human health and diseases Chapter 12 Microbes in human welfare Practical Work – Taxonomy , Biochemical experiments, Slide preparation, spotting</p>	<p>UNIT 4: Biotechnology and its application Chapter 13 Principles and processes of biotechnology Chapter 14 Biotechnology and its application</p>	<p>Unit 1 Reproduction Unit 2 Genetics and Evolution Unit 3 Biology and human welfare UNIT 4: Biotechnology and its application UNIT 5: Ecology and environment (FULL SYLLABUS) Practical Work – Taxonomy , Physiochemical experiments, Slide preparation, spotting</p>
<p>VALUE EDUCATION and SUPW</p>		<p>Personality Development Part II Unit I 1. Building your Character 2. Healthy Relationships Unit II 4 Recognizing Depression 5 Dealing with Discouragement Diary 1. Our Patroness 2. Our Foundress</p>		<p>Personality Development Part II Unit III 9. Dignity of work 10. Spirit of tolerance Unit IV 11. Setting priorities 12. Making a difference Diary Preamble to the Constitution of India</p>

		<p>3. CJ culture 4. Cover page of school diary Mary Ward – A Prophet of Hope Phase 3 (1650 – 1630) Period of expansion of the institute Report Writing</p>		<p>Core values enshrined in the Constitution of India Mary Ward – A Prophet of Hope Phase 4 – Time Line (1630 – 1645) Journeying in Hope to the End Report Writing <u>SUPW</u> Community Service : to be informed later on Craft work: a) Planter (Plastic bottle) b) Painting (Paper, Tile, Fabric, Glass, T-shirt) – 1 c) Pot decoration d) Pen stand e) Paper folder f) Any other creative work Examination : Pot Decoration Report Writing</p>
MATHS	<p>1. MATRICES 2. DETERMINANTS</p>	<p><u>SECTION-A</u> 1. RELATIONS AND FUNCTIONS 2. INVERSE TRIGONOMETRIC FUNCTIONS 3. MATRICES 4. DETERMINANTS 5. CONTINUITY AND DIFFERENTIABILITY</p> <p><u>SECTION-B</u> 1. VECTORS</p>	<p>1. INVERSE TRIGONOMETRIC FUNCTION 2. RELATIONS AND FUNCTIONS</p>	<p><u>SECTION-A</u> 1) RELATIONS AND FUNCTIONS 2) INVERSE TRIGONOMETRIC FUNCTIONS 3) MATRICES 4) DETERMINANTS 5) CONTINUITY AND DIFFERENTIABILITY 6) INDETERMINATE FORMS 7) APPLICATION OF DERIVATIVES</p>

		<p><u>SECTION-C</u> 1. APPLICATION OF CALCULUS IN COMMERCE AND ECONOMICS</p>		<p>8) INTEGRALS 9) DIFFERENTIAL EQUATIONS 10) PROBABILITY</p> <p><u>SECTION-B</u> 1) VECTORS(PROJECT) 2) THREE DIMENSIONAL GEOMETRY 3) APPLICATION OF INTEGRALS</p> <p><u>SECTION-C</u> 1) APPLICATION OF CALCULUS IN COMMERCE AND ECONOMICS(PROJECT) 2) LINEAR REGRESSION 3) LINEAR PROGRAMMING</p>
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