

SYLLABUS FOR CLASS XI

Subjects	Chapters		
MATHEMATICS	<ul style="list-style-type: none"> • Sets & Relations and Functions • Trigonometry • Complex Numbers and Linear Inequality • Binomial Theorem, Sequences and Series • Straight Lines and Conic Sections • Permutation and Combinations • Limits and Derivatives 		
CO-SCHOLASTIC SUBJECTS			
1.	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p style="text-align: center;">Artificial Intelligence</p> <ul style="list-style-type: none"> • Programming in a High-Level Language (e.g., Python, Java) • Artificial Intelligence Fundamentals • Cybersecurity and Ethical Hacking </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> • Data Structures and Algorithms • Machine Learning Concepts • Web Development (Advanced Concepts) </td> </tr> </table>	<p style="text-align: center;">Artificial Intelligence</p> <ul style="list-style-type: none"> • Programming in a High-Level Language (e.g., Python, Java) • Artificial Intelligence Fundamentals • Cybersecurity and Ethical Hacking 	<ul style="list-style-type: none"> • Data Structures and Algorithms • Machine Learning Concepts • Web Development (Advanced Concepts)
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5.	<p style="text-align: center;">Commerce Class XI & XII (Accountancy, Business Studies & Economics)</p> <p>Introduction to Accounting</p> <ul style="list-style-type: none"> • Meaning, objectives, and importance of accounting. • Basic terms: Assets, liabilities, capital, revenue, expenses, profit, and loss. • Users of accounting information and their needs. • Limitations of accounting. <p>Theory Base of Accounting</p> <ul style="list-style-type: none"> • Accounting principles: Concepts and conventions (e.g., Going Concern, Accrual, Consistency). • Meaning and need for the system of accounting standards. • International Financial Reporting Standards (IFRS) overview. • Goods and Services Tax (GST) and its implications <p>Nature and Purpose of Business</p> <ul style="list-style-type: none"> • Concept of business, objectives, and role in the economy. • Types of business activities: Industry and commerce. • Characteristics and importance of business risks. <p>Forms of Business Organizations</p> <ul style="list-style-type: none"> • Sole proprietorship, partnership, joint-stock company, and cooperative societies. • Features, merits, and demerits of each form of organization. • Comparison of different forms of organizations. <p>Introduction to Microeconomics</p> <ul style="list-style-type: none"> • Meaning, scope, and importance of microeconomics. • Central problems of an economy: What to produce, how to produce, and for whom to produce. • Concept of opportunity cost and production possibility frontier (PPF). <p>Government Budget and the Economy</p> <ul style="list-style-type: none"> • Objectives and components of the government budget: Revenue and capital budget. • Types of deficits: Fiscal deficit, Revenue deficit, and Primary deficit. • Role of government budget in economic stability and development. 		