

Syllabus for Students studying in Class X

(A) Mathematics

1. **Number Systems:** Real Numbers,
2. **Algebra:** Polynomials, Pair of Linear Equations in two variables, Quadratic Equations & Arithmetic Progressions,
3. **Coordinate Geometry:** Lines,
4. **Geometry:** Triangles, Circles & Constructions,
5. **Trigonometry:** Introduction to Trigonometry, Trigonometric Identities & Heights and Distances,
6. **Mensuration:** Areas Related to Circles & Surface Areas and Volumes,
7. **Statistics and Probability:** Statistics & Probability

(B) Social Studies (Economics)

1. **Development:** The traditional notion of development; National Income and Per capita Income. Growth of National Income - critical appraisal of existing development indicators (PCI, IMR, SR and other income and health indicators) The need for health and educational development; Human Development Indicators,
2. **Sectors of the Indian Economy:** Sectors of Economic Activities; Historical change in sectors; Rising importance of tertiary sector; Employment Generation; Division of Sectors- Organized and Unorganized; Protective measures for unorganized sector workers,
3. **Money and Credit:** Role of money in an economy: Formal and Informal financial institutions for Savings and Credit - General Introduction; Select one formal institution such as a nationalized commercial bank and a few informal institutions; Local money lenders, landlords, chit funds and private finance companies,
4. **Globalization and the Indian Economy:** Production across countries, Foreign Trade and Interaction of Markets, what is Globalization? Factors, WTO, Impact, Fair Globalization
5. **Consumer Rights:** How consumer is exploited factors causing exploitation of consumers; Rise of consumer awareness; how a consumer should be in a market; role of government in consumer protection.

(C) Business Awareness

Business and its domain, Emerging Modes of Business, Who's who in the Business world; Life of the Business personalities & General Knowledge pertaining to the Business World

(D) Aptitude Test

Series: Letter Series, Wrong Letter series, Repeat Series, Number Series, Wrong Number Series. **Analogies or Relationships:** Letter Analogy & Number Analogy, **Coding and Decoding:** Coding, Decoding, Coding Words, Column Coding. **Place and arrangement, Distance and Direction, Blood Relationships, Rows and Ranks, Number Problems, Logical diagram, Venn diagrams, Competition of Series**