

Syllabus for Students studying in Class IX & X

Mathematics

Number System, Linear Equation in two variables, Quadratic equations, mean, median, mode, geometry(Line, angles, triangles, quadrilaterals, trapezium, circle, ring, parallelogram, rhombus), mensuration(cube, cuboid, cone, cylinder, hemisphere, sphere), set theory, LCM, HCF, Algebraic expression, arithmetic progression, geometric progression, Profit & Loss, Time and work, Time distance & speed, percentage, averages, ratio & proportion, probability, mixture and solution.

Current Economic affair

Economic transactions and its interaction with the rest of the world through which the concept of production (including three factors of production (land, labour and capital) , People as Resource: Introduction of how people become resource / asset; economic activities done by men and women; unpaid work done by women; quality of human resource; role of health and education; unemployment as a form of non-utilisation of human resource; socio-political implication in simple form, Poverty as a Challenge: Who is poor ; indicators; absolute poverty - why people are poor ; unequal distribution of resources; comparison between countries; steps taken by government for poverty alleviation. Food Security in India: Source of Food grains, variety across the nation, famines in the past, the need for self sufficiency, role of government in food security, procurement of food grains, overflowing of granaries and people without food, public distribution system, role of cooperatives in food security (food grains, milk and vegetables ration shops, cooperative shops)

Business Studies

Meaning and types – Economic and non economic activities – classification of economic activities – business, profession and employment. Comparison between economic and non-economic activities, Classification of Sectors: Public & Private, Whos who in the Business world; Life of the Business personalities

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.