



Sunbeam Academy, Varanasi

Syllabus for ELITE 11 (Class IX)

MATHEMATICS

Rational Numbers, Exponents, Square and Square Roots, Cube and Cube Roots, Operations on Algebraic Expressions, Factorisation, Time and Work, Polygons, Quadrilateral, Line Graphs and Linear Graphs, Pie Chart, Linear Equations, Percentage, Profit and Loss, Compound Interest, Direct and Inverse Proportions, Parallelogram, 3-D Geometry, Probability, Construction of Quadrilaterals, Surface Area and Volume.

SCIENCE

Force and Pressure, Friction, Sound, Some Natural Phenomena, Reflection of light, Synthetic Fibres and Plastics, Combustion and Flame, Coal and Petroleum, Chemical Effects of Electric Current, Metal and Non-metals, Pollution of water and Air, Crop Production, Micro-organisms, Conservation of Plants and Animals, Cell – Structure and Function, Reproduction.

SOCIAL SCIENCE

The Modern Period, The Expansion of British Power, Life in the Rural Areas, Tribal Communities, The Great Uprising, Education and British Rule, Reforms in Indian Society, The National Movement First Phase, The National Movement Second Phase, The Constitution and the Need for Laws, Ideals of our Constitution, The Parliamentary system, The Judiciary, The police and the Courts, Marginalization and Social justice, Untouchability – A Social Evil, Resources, Natural Resources – Land, Soil and Water, Natural Resources – Natural vegetation and wildlife, Mineral and Power Resources, Agriculture, Major crops and agricultural development, Manufacturing Industries, Industries – Comparative studies, Human Resources

ENGLISH

Articles, Synonyms and Antonyms, One Word substitution, Preposition, voice, direct and indirect speech, word order, Transformation, Reading Comprehension