Sunbeam Academy, Varanasi
Syllabus for ELITE 11 (Class XI)

MATHEMATICS

REAL NUMBERS, POLYNOMIALS, PAIR OF LINEAR EQUATIONS IN TWO VARIABLES, QUADRATIC EQUATIONS, ARITHMETIC PROGRESSIONS, TRIANGLES, Trigonometric ratios, Trigonometric identities, APPLICATIONS OF TRIGONOMETRY, COORDINATE GEOMETRY, CIRCLES, CONSTRUCTION : Division of a line segment in a given ratio (internally), Tangent to a circle from a point outside it, Construction of a triangle similar to a given triangle, AREAS RELATED TO CIRCLES, SURFACE AREAS AND VOLUMES, STATISTICS, PROBABILITY

SCIENCE

Electricity, Magnetic Effects of Electric Current, Light-Reflection and Refraction, Human Eye and Colourful World, Source of Energy, Chemical Reactions and Equations, Acid, Bases & Salt, Metals and Non-Metals, Periodic Classification of Elements, Carbon & Its Compounds, Life Processes – Excretion, Control and Co-ordination, How do organisms reproduce?, Heredity and Evolution: Our Environment

SOCIAL SCIENCE

Age of Industrialization, Novels, Society and History, Nationalist movement in Indo-China, Nationalism in India Satyagraha (iv)Amritsar (Punjab) – Jallianwala Bagh Incident (v) Chauri Chaura (U.P.) – Calling off the Non Cooperation Movement (vi) Dandi (Gujrat) – Civil Disobedience Movement, Power sharing, Federalism, Democracy and Diversity, Gender, Religion and Caste, Political Parties, Outcomes of democracy, Challenges to democracy, Resources and Development, Resources, Agriculture, Minerals and Energy Resources, Manufacturing Industries, Life lines of National Economy, Life lines of National Economy, Development, Sectors in Indian Economy, Money and Credit, Globalisation & the Indian Economy, Consumer Rights

ENGLISH

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