R.E.D. Group of Schools
Syllabus for Entrance Test (Session : 2026-27)

Instructions :

1) Time duration of test is 1:30 Hr for all subjects.
2) Each Subject carries 20 marks.
3) Candidate should bring his/her geometry box (Pen/Pencil, Eraser, Sharpener, Scale etc.) along with Card Board.

Class	Physics	Chemistry	Maths/Biology
XII-Sc	Unit and Measurements Kinematics NLM WEP Rotational Motion Gravitation Properties of Matter Thermodynamics KTG Oscillation & Waves	Some basic concepts of chem. Structure of Atom, classification of Elements and Peridicity in Properties, Chemical bonding and molecular Structure, Thermodynamics, Equilibrium, organic chemistry. Some Basic Principals & Techniques, Hydrocarbons.	**Math –** Set, Relation, Function,Trigonometry, Quadratic Equation, Complex number, Sequence and Series, P & C, Linear inequalitites, Straight lines, Circles, Conic, Statistics, Probability, 3-D Geometry, Derivative, Derivative,Limit, Binomial theorem **Biology –** Biological classification, Plant Kingdom, Animal Kingdom, Biomolecules, Photosynthesis, Respiration in plants, Human Physiology, Plant Physiology

Class	English	Accounts	Economics
XII-Com.	Grammer concepts Writing Skills and Literature of previous class Adjective, Noun, Adverb Poetic devices Literature of 11th class Letter to the Editor	• Basic Terminology of Accounts • Types of Accounts • Concept & Convention of Accounting • Financial Statement with adjustment	Basic concepts of Micro Economics & Production function, cost, Revenue, Demand & Supply and Elasticity & central tendency (Mean, Median & Mode)

Class	English	Economics	Pol.Sc./ Maths
XII-Arts	Grammer concepts Writing Skills and Literature of previous class Adjective, Noun, Adverb Poetic devices Literature of 11th class Letter to the Editor	Basic concepts of Micro Economics & Production function, cost, Revenue, Demand & Supply and Elasticity & central tendency (Mean, Median & Mode)	**Political Science** Basic Concepts from (**Book 1 -** Ch.- 1, 2 & 8) – Constitution – Fundamental Rights – Local Governments – PR & FPTP **Mathematics** Set, Relation, Function,Trigonometry, Quadratic Equation, Complex number, Sequence and Series, P & C, Linear inequalitites, Straight lines, Circles, Conic, Statistics, Probability, 3-D Geometry, Derivative,Limit, Binomial theorem