

Subject Contents for the Entrance Test

<u>Chemistry</u>	<u>Physics</u>	<u>Biology</u>
Fundamental Concepts	Physical Quantities	Digestion, Transportation and Respiration in Animals
Gaseous State and Gas Laws	Laws of Motion and Applications	Excretion and Homeostasis
Structure of Atom	Torque, Angular Momentum and Equilibrium	Coordination and Control
Chemical Bonding	Gravitation	Support and Locomotion
Chemical Energetics	Work, Power and Energy	Reproduction and Development
Solutions and Electrolytes	Simple Harmonic Motion and Sound	Patterns of Heredity, variation and Genetics
Chemical Kinetics	Nature of Light	The Chromosome Theory of Heredity and Hereditary Material
Periodic Classification of Elements	Heat	Cell Structure, Chemistry and Reproduction
Properties of Transition Elements	Electronic and Current Electricity	Evolution
Hydrogen and S Block Elements	Geometrical Optics	Cell Cycle
D Block Elements	The Atomic Spectra	Viruses and Prokaryotes
Introduction to Organic Chemistry	Magnetism	Invertebrates
Chemistry of Hydrocarbons	Electrical Measuring Instruments	Chordates
Alkyl Halides	Electronics	Fungi and Algae
Compounds with Oxygen Containing Functional Groups	Birth of Modern Physics	Bryophytes, Tracheophytes Angiosperms and Gymnosperms
Chemistry of Life <ul style="list-style-type: none"> Alkaloids Carboxylic Acids Aldehydes Phenols 		Bioenergetics
<p style="text-align: center;"><u>English</u></p> <p>English section will test mainly comprehension and vocabulary.</p> <p style="text-align: center;"><u>Mathematics</u></p> <p>Math's section will include questions on basic and applied mathematics of upto secondary school level. Application of basic knowledge and principles requires familiarity with fundamental concepts.</p>		Ecosystem and Ecology
		Biotechnology
		Man and His Environment
<p><u>Note:</u></p> <p>1. The topics of the science subjects are drawn from the syllabus prescribed for the intermediate Classes.</p>		