

USWA COLLEGE ISLAMABAD
Syllabus of Science for Entry Test Class 7th

Cellular Organisation Cell, organ, comparison of animal and plant cell, tissues, organs, organ system, organism.

Reproduction in Plants Sexual reproduction, Asexual reproduction, natural propagation of plants, artificial vegetative propagation, advantages of vegetative propagation.

Human Digestive System Human Digestive System, digestion, human digestive system, digestive disorders, physical digestion, chemical digestion, digestive enzymes.

Matter As Particles States of matter, particle theory of matter, diffusion, changes in state of matter, melting, evaporation, condensation

Elements and Compounds Elements, classification of elements, uses of elements, difference in atom, elements and molecules, compounds

Mixtures Mixture, types of mixtures, distinguish between elements, compounds and mixtures, alloys, separation of mixtures, solutions

Energy Energy, categories of energy, conversion of energy, types of energy, laws of conservation of energy, renewable and non-renewable sources of energy

Electricity Static electricity, types of charges, electricity, electric current, electric circuits, electric symbols, open and closed circuits, series and parallel circuits

Magnetism Magnetic field, Earth's magnetic field, magnetic field around conductor, types of magnet, applications of electromagnets. Magnetization and demagnetization

Balanced Diet Carbohydrates, Proteins, Fats & Oils, Vitamins & Minerals

Reference Book :

National Book Foundation, for Class 6th

Paper Pattern for Class 7th

Multiple Choice Questions (MCQs)	10 Marks
Short Questions (7 Questions and 2 marks each)	14 Marks
Long Question (1 Question of 6 marks)	06 Marks
Total Marks:	30 Marks