



Syllabus for Aims Scholarship Test 2022-23

Class XI

For Engineering

Physics

Physical world, Units and Measurements, motion in a straight line, motion in a plane, laws of motion, work, energy and power, systems of particles and rotational motion

Chemistry

Some basic concepts of chemistry, Structure of atom, Classification of elements and periodicity in properties, Chemical bonding and Molecular structure, States of matter, Thermodynamics

Mathematics

Basics of mathematics: Set, intervals, wavy curve method and inequalities, relations and functions, transformation of graphs, Trigonometric functions I: trigonometric ratios and identities, transformation formulae, trigonometric equation (based on NCERT only), principal of mathematical induction, quadratic equations, Complex numbers I: Cartesian form, algebra of complex numbers, modules and conjugate of a complex number, polar form, linear inequalities, sequences and series, binomial theorem, permutations and combinations

FOR MEDICAL

Physics

Physics world, Units and measurements, motion in a straight line, motion in a plane, laws of motion, work, energy and power, System of particles and rotational motions

Chemistry

Some basic concepts of chemistry, Structure of atom, Classification of elements and periodicity in properties, Chemical bonding and Molecular structure, States of matter, Thermodynamics

Botany

Cell: The unit of life, Cell cycle and cell division, The living world, Biological classification, Morphology of flowering plants

Zoology

Structural organization in animals: Animal tissues, Biomolecules, Digestion and Absorption, Breathing and exchange of gases, body fluids and circulation, excretory products and their elimination, locomotion and movement

Examination Date & Time

06/11/2022	at	12.00	PM
13/11/2022	at	12.00	PM
20/11/2022	at	12.00	PM
27/11/2022	at	12.00	PM
04/12/2022	at	12.00	PM
11/12/2022	at	12.00	PM
18/12/2022	at	12.00	PM
08/01/2023	at	12.00	PM
15/01/2023	at	12.00	PM
22/01/2023	at	12.00	PM
29/01/2023	at	12.00	PM
05/02/2023	at	12.00	PM
12/02/2023	at	12.00	PM
19/02/2023	at	12.00	PM
26/02/2023	at	12.00	PM

Eligibility Criteria

Student who studies in Class XI (Any board) appear to Class XII