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TEST SYLLABUS



Academic Session 2023-24

ADVANCED MAJOR TEST (MT)

Test Date : 25 February 2024

Course Code : VIKAAS (JA01)

PHYSICS:

Mathematical tool, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion, Center of Mass, RBD, SHM, Fluid mechanics, Elasticity & Viscosity, Surface tension, String wave, Sound wave, KTG & Thermodynamics, Calorimetry & Thermal expansion

MATHEMATICS:

FOM-I, FOM-II, Quadratic Equation, Trigonometry, Sequence and Series, Binomial Theorem, Permutation & Combination, Straight Line, SOT, Circle, Conic section, Statistics

PHYSICAL / INORGANIC CHEMISTRY:

Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal + Real), Chemical Equilibrium, Thermodynamics & Thermochemistry, Ionic equilibrium

ORGANIC CHEMISTRY:

IUPAC Nomenclature & Structural Isomerism, Structural identification & POC, Periodic Table, BIN, Chemical Bonding, GOC-I