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# TEST SYLLABUS



**Academic Session 2023-24**

## **Main Pattern Cumulative Test (MCT)-3**

**Test Date : 25 February 2024**

**Course Code : VIKAAS (02JA)**

### **PHYSICS:**

Mathematical tool, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion, Center of Mass, RBD, SHM, String Waves

### **MATHEMATICS:**

FOM-I, FOM-II, Quadratic Equations, Trigonometry, Sequence Series, Statistics Binomial, SOT

### **PHYSICAL / INORGANIC CHEMISTRY:**

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

### **ORGANIC CHEMISTRY:**

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