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# ▶▶▶ TEST SYLLABUS ◀◀◀

**Academic Session 2023-24**

## **ALL INDIA RESONANCE TEST (AIRT)-1**

**Test Pattern JEE (Main)**

**Test Date : 29 October 2023**

**Course Code : VISHESH (JD) , VIJAY (JR), ABHYAAS (ED), AJAY (ER)**

### **PHYSICS:**

Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, Newton's laws of motion, Friction, WPE, Circular Motion, Geometrical Optics, Electrostatics.

### **MATHEMATICS:**

FOM, Quadratic Equation, Function and ITF, LCD, Sequence and Series , Straight line.

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

Mole Concept, QMMA (Quantum mechanical model of atom), Periodic Table, Gaseous State (Real Gas), Chemical Bonding, Chemical Equilibrium.

### **ORGANIC CHEMISTRY:**

IUPAC Nomenclature, Structural Isomerism, Structural identification & POC, GOC-I ,GOC-II, Stereoisomerism, Haloalkanes and Haloarenes.