



**Resonance**<sup>®</sup>  
Educating for better tomorrow



# TEST SYLLABUS



**Academic Session 2023-24**

## **ADVANCED PATTERN PART TEST (APT-4)**

**Test Date : 22 October 2023**

**Course Code : VIJETA (05JP)**

### **PHYSICS:**

**XII : Capacitance, EMF**

**XI : Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM, String wave Sound Wave, Fluid mechanics, Elasticity and Viscosity, Surface tension.**

### **MATHEMATICS:**

**XI- Quadratic Equation, Sequence and Series, BT and P&C**

**XII- AOD, Matrices and Determinant, Indefinite Integration (up to by parts)**

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

**Solution & Colligative Properties, Coordination compound, Solid State, Chemical Equilibrium**

### **ORGANIC CHEMISTRY:**

**Hydrocarbon, Redox reaction, Haloalkanes and Haloarenes, Alcohols and Ethers**