



## **TEST SYLLABUS**



**ACADEMIC SESSION: 2023-24**

**AIRT-XIII**

**Test Date : Sunday, 29 October, 2023**

**Course Code : MF,MPS,MD,MR (All Batch)  
English+ Hindi**

### **PHYSICS:**

**Mathematical Tools, Rectilinear motion, Unit and Dimension, Measurement Error, Projectile motion, Relative motion, Newton's laws of motion, Friction, Work, Power, Energy, upto circular motion + Electrostatics, Gravitation, Current Electricity, Heat Transfer upto Capacitor**

### **CHEMISTRY (PHYSICAL / INORGANIC):**

**Mole concept, Redox, Chemical Equilibrium, Ionic Equilibrium, Atomic Structure**

### **CHEMISTRY (ORGANIC):**

**IUPAC Nomenclature & Structural Isomerism, Stereoisomers, Electronic Effect (GOC), Hydrocarbon**

### **BIOLOGY (BOTANY):**

**Genetics-I & II, Reproduction in flowering plants, Ecology -I Population and organism**

### **BIOLOGY (ZOOLOGY):**

**Human reproduction, Reproductive health, Human Health and Diseases, Origin and evolution, Application Biology (Biotechnology)**