



TEST SYLLABUS



ACADEMIC SESSION: 2023-24

AIRT-XII

Test Date : Sunday, 29 October, 2023

**Course Code : 01MP + 02MP, 02MPH (All Batch)
English+ Hindi**

PHYSICS:

Full Syllabus (Class-XI) & Electrostatics, Gravitation, Current Electricity, Heat Transfer, Capacitance, EMF, Electromagnetic Induction, Alternating Current, Electromagnetic Waves , Modern Physics-I, Nuclear Physics, Solid & Semiconductor, Geometrical Optics , (except Wave optics)

CHEMISTRY (PHYSICAL / INORGANIC):

Full Syllabus (Class-XI) + XII Complete (except d & f block)

CHEMISTRY (ORGANIC):

IUPAC Nomenclature & Structural Isomerism, Periodic Table, Chemical Bonding, Electronic Effect (GOC), Stereoisomerism, Hydrocarbon, Grignard Reagent, Reaction Mechanism, Aromatic Compound, Carbonyl Compound & Carboxylic acid and derivatives, aromatic Compounds, Oxidation, Reduction, Hydrolysis, Practical, Organic Chemistry

BIOLOGY (BOTANY):

Genetics-I & II , Reproduction in flowering plants, Ecology -I Population and organism + XI complete

BIOLOGY (ZOOLOGY):

Human Reproduction and Reproductive Health, Human Health and Disease, Origin and Evolution, Application Biology (I & II), Microbes in Human Welfare + Biomolecules, Structural Organisation in Animals, Locomotion and Movement, Breathing and Exchange of Gases, Body Fluids and Circulation, Excretory Products and their Elimination, Chemical Coordination and Integration, Neural Control and Coordination, Animal Kingdom