

BIOLOGY (Botany)

Topics	Class	No.of Lec.
The Living World	12	5
Biological Classification	12	11
Plant Kingdom	12	8
Morphology of Flowering Plants	12	10
Anatomy of Flowering Plants	12	8
Cell - The Unit of Life	12	12
Cell Cycle and Cell Division	12	6
Photosynthesis in Higher Plants	12	8
Respiration in Plants	12	5
Plant Growth and Development	12	4
Sexual Reproduction in Flowering Plants	12	12
Principles of Inheritance and Variation	12	25
Molecular Basis of Inheritance	12	21
Organisms and Populations	12	9
Ecosystem	12	7
Biodiversity and its Conservation	12	4
Microbes in Human Welfare	12	3
Biotechnology - Principles and Processes	12	6
Biotechnology and its Application	12	4

BIOLOGY (Zoology)

Animal Kingdom	12	15
Structural Organisation in Animals (Frog, Animal Tissue, Cockroach)	12	10
Biomolecules	12	7
Breathing and Exchange of Gases	12	6
Body Fluids and Circulation	12	8
Excretory Products and their Elimination	12	6
Locomotion and Movement	12	6
Neural Control and Coordination	12	8
Chemical Coordination and integration	12	6
Human Reproduction	12	13
Reproductive Health	12	3
Evolution	12	10
Human Health and Diseases	12	14

PHYSICS

Topics	Class	No.of Lec.
Units and Dimensions	12	3
Basic maths	12	3
Error	12	3
Vector	12	4
Calculus	12	3
One -D motion	12	15
Motion in plane		
NLM+Friction	12	8
Circular Motion	12	4
WPE	12	7
Centre of Mass	12	7
Rotational Motion	12	8
SHM	12	6
Wave Motion	12	5
Sound Waves	12	2
Calorimetry (Heat-1)	12	3
Heat Transfer(Heat-1)	12	5
KTG(Heat-2)	12	5
Thermodynamics(Heat-2)	12	5
Elasticity	12	3
Thermal Expansion	12	1
Gravitation	12	5
Fluid & Viscosity	12	8
Surface Tension	12	3
Ray Optics	12	16
Wave Optics	12	7
Electrostatics	12	15
Current Electricity	12	10
Capacitance	12	6
Magnetism - 1 (Magnatic effect of current)	12	8
Magnetism - 2	12	3
EMI	12	5
Alternating Current	12	4
EMW	12	2
Photoelectric Effect (Modern -1)	12	3
Matter Waves (Modern -1)	12	2
Atomic Structure (Modern -1)	12	3
Nuclear Physics (Modern -2)	12	3
Semi Conductor (Modern -2)	12	7
Logic Gates (Modern -2)		

CHEMISTRY (PHYSICAL CHEMISTRY)

Topics	Class	No.of Lec.
Chemical Kinetics	12	9
Electrochemistry	12	11
Liquid Solution	12	9
Thermodynamics & Thermochemistry	12	10
Atomic Structure	12	9
Mole Concept (Some basic concept of chemistry)	12	9
Redox Reaction	12	5
Chemical Equilibrium	12	7
Ionic Equilibrium	12	16

CHEMISTRY (INORGANIC CHEMISTRY)

Coordination Chemistry	12	10
D&F Block Element	12	4
P Block Element	12	4
Periodic Properties	12	11
Chemical Bonding	12	16
Salt Analysis	12	10

CHEMISTRY (ORGANIC CHEMISTRY)

Optical Isomerism	12	8
GOC - I	12	23
GOC - II	12	30
Hydrocarbon	12	2
Halogen Derivatives		
Oxygen Containing Compound_I	12	2
Oxygen Containing Compound_II	12	2
Nitrogen Containing Compound	12	1
Biomolecule	12	2