

## Class- XII course planner

### Biology

Chapter Name	lectures	Total hours
Reproduction in Organisms	7	7
Sexual Reproduction in Flowering Plants	12	12
Human Reproduction	10	10
Reproductive Health	3	3
Principles of Inheritance and Variation	15	15
Molecular Basis of Inheritance	8	8
Human Health and Disease	8	8
Strategies for Enhancement in Food Reproduction	3	3
Microbes in Human Welfare Solutions	3	3
Biotechnology: Principles and Processes	6	6
Biotechnology and its Applications	3	3
Organisms and Populations	6	6
Ecosystems Solutions	6	6
Biodiversity and Conservation	5	5
Environmental Issues	5	5

### Maths

Relation & function	11	11
Inverse Trigonometric function	7	7
Matrices	8	8
Determinants	7	7
Continuity & differentiability	17	17.
Integrals	23	23
Application of derivatives	9	9
Application of integrals	8	8

Differential equations	7	7
Vector algebra	8	8
Three dimensional geometry	8	8
Linear programming	6	6
Probability	8	8
<b>Physics</b>		
Electric Charges and Fields (Part I) Electrostatic Potential	35	35
Capacitance	10	10
Current Electricity	19	19
Moving Charges and Magnetism	25	25
Magnetism and Matter (Part I)	5	5
Electromagnetic Induction	15	15
Alternating Current	10	10
Electromagnetic Waves	2	2
Ray Optics and Optical Instruments (Part I)	25	25
Wave Optics	10	10
Dual Nature of Radiation and Matter (Part I)	20	20
Atoms	10	10
Nuclei	15	15
Semi Conductor Electronics	5	5
Communication Systems	5	5
<b>Chemistry</b>		
The Solid State	6	6
Solutions	9	9
Electrochemistry	12	12
Chemical Kinetics	11	11
Surface Chemistry	3	3
General Principles and Processes of Isolation of Elements	4	4
The p-Block Elements	17	17

The d & f Block Elements	4	4
Coordination Compounds	12	12
Haloalkanes and Haloarenes	8	8
Alcohols, Phenols, and Ethers	9	9
Aldehydes, Ketones, and Carboxylic Acids	14	14
Amines	3	3
Biomolecules	2	2
Polymers	2	2