

# Common Syllabus for B.Sc (Physics, Chemistry & Botany)

## Semester I

- 1 Physics: Mechanics and Properties of Matter
- 2 Chemistry: Atomic Structure and Periodic Table
- 3 Botany: Diversity of Plants
- 4 Mathematics / Environmental Studies
- 5 Language & Communication Skills

## Semester II

- 1 Physics: Waves, Oscillations and Acoustics
- 2 Chemistry: Chemical Bonding and Thermodynamics
- 3 Botany: Cell Biology
- 4 Computer Applications
- 5 Value Education

## Semester III

- 1 Physics: Electricity and Magnetism
- 2 Chemistry: Organic Chemistry – I
- 3 Botany: Plant Anatomy
- 4 Skill Enhancement Course
- 5 Language Paper

## Semester IV

- 1 Physics: Optics and Modern Physics
- 2 Chemistry: Organic Chemistry – II
- 3 Botany: Plant Physiology
- 4 Environmental Science
- 5 Ability Enhancement Course

## Semester V

- 1 Physics: Quantum Mechanics and Electronics
- 2 Chemistry: Physical Chemistry – I
- 3 Botany: Genetics and Plant Breeding
- 4 Elective Paper – I
- 5 Project / Field Study

## **Semester VI**

- 1 Physics: Nuclear Physics and Solid State Physics
- 2 Chemistry: Physical Chemistry – II
- 3 Botany: Ecology and Economic Botany
- 4 Elective Paper – II
- 5 Final Project / Viva Voce