Course Details

S.No	Name of the Program	Year & Semester	Name of the paper taught (Theory/Practical)	Code
1.	B.Sc.	I year I sem	**Physics:** • Mathematical Physics &Newtonian • Mechanical Properties of matter **Chemistry:** • Fundamental of Chemistry • Quantitative Analysis **Maths :** • Differential & Integral Calculus • Maths Practical	 B010101T B010102P B020101T B020102P B030101T B030102P
2.	B.Sc.	I year II sem	**Physics:** • Thermal Physics & Semiconductor Devices • Thermal Properties of matter & Electronic Circuits **Chemistry:** • Bio-organic and Medicinal Chemistry • Bio-Chemical Analysis **Maths :** • Matrices & Differential Equations and Geometry	 B010201T B010202P B020201T B020202P B030201T
3.	B.Sc.	II year III sem	**Physics:** • Electromagnetic Theory & Modern Optics • Demonstrative Aspects of Electricity & Magnetism **Chemistry:** • Chemical Dynamics & Coordination Chemistry • Physical Analysis **Maths :** • Algebra and Mathematical Methods	 B010301T B010302P B020301T B020302P B030301T
4.	B.Sc.	II year IV sem	**Physics:** • Perspectives of Modern Physics & Basic Electronics • Basic Electronics Instrumentation **Chemistry:** • Quantum Mechanics & Analytical Techniques • Instrumental Analysis **Maths :** • Differential equations and Mechanics	 B010401T B010402P B020401T B020402P B030401T

5.	B.Sc.	III year V sem	**Physics:** • Classical And Statistical Mechanics • Quantum Mechanics and Spectroscopy • Demonstrative Aspects of Optics and lasers **Chemistry:** • Organic Synthesis –A • Rearrangements & Chemistry of group elements • Qualitative Analysis **Maths :** • Group & Ring Theory and Linear Algebra • Any one of the following: (a) Number Theory and Game Theory (b) Graph Theory and Discrete Mathematics (c) Differential Geometry and Tensor Analysis	 B010501T B010502T B010503P B020501T B020502T B020503P B030501T B030502T
6.	B.Sc.	III year VI sem	**Physics:** • Solid State & Nuclear Physics • Analog & Digital Principles & Applications • Analog & Digital Circuits	 B010601T B010602T B010603P
			Chemistry: • Chemical Energetics & Radio Chemistry • Organic Synthesis –B • Analytical Mathods **Maths :** • Metric space & Complex Ananlysis • Numerical Analysis & Operations Research • Maths Practical	 B020601T B020602T B020603P B030601T B030602T B030603P