## **CONTENTS**

**Syllabus** 

**General Information** 

	Rules and Regulations	
	<b>Patterns of Question Papers</b>	
	<b>Multiple Choice Questions</b>	
	<b>Important Tips</b>	
	<b>Previous Years' Papers with Solutions</b>	s
1.	<ul> <li>Basic Mathematical Methods</li> <li>Objective Type Questions</li> <li>Descriptive Questions</li> <li>101</li> </ul>	<ul> <li>Descriptive Questions 637</li> <li>Experimental Techniques and Data Analysis 701–759</li> </ul>
2.	Classical Dynamics 139–209 Objective Type Questions 148 Descriptive Questions 185	<ul><li>Objective Type Questions 717</li><li>Descriptive Questions 741</li></ul>
3.	Electromagnetics 210–313 Objective Type Questions 224 Descriptive Questions 285	<ul> <li>8. Atomic and Molecular Physics 760–853</li> <li>Objective Type Questions 771</li> <li>Descriptive Questions 797</li> </ul>
4.	Quantum Physics and Application 314–424  Objective Type Questions 330 Descriptive Questions 388	<ul> <li>9. Condensed Matter Physics 854–945</li> <li>Objective Type Questions 867</li> <li>Descriptive Questions 907</li> </ul>
5.	Thermodynamics and Statistical Physics 425–534  Objective Type Questions 440 Descriptive Questions 493	<ul> <li>10. Nuclear and Particle Physics 946–1033</li> <li>Objective Type Questions 964</li> <li>Descriptive Questions 986</li> </ul>
6.	<ul> <li>Electronics</li> <li>Objective Type Questions</li> <li>Objective Type Questions (Digital Electronics)</li> </ul>	<ul> <li>Descriptive Questions (Particle Physics) 1024</li> <li>Model Paper-1 1034–1048</li> <li>Model Paper-2 1049–1064</li> </ul>