

CONTENTS

PAPER-I (PART-A)

Computer Awareness and Scientific Aptitude 1–108

- Computer Awareness 1–22
- General Awareness and Scientific Aptitude 23–108
 - Biology 24
 - Chemistry 47
 - Geography (or Geoscience) 60
 - Mathematics 73
 - Physics 89

[PAPER-I (PART-B) & PAPER-II]

1. Basic Mathematical Methods 3–138

- Objective Type Questions 38
- Descriptive Questions 101

2. Classical Dynamics 139–209

- Objective Type Questions 148
- Descriptive Questions 185

3. Electromagnetics 210–313

- Objective Type Questions 224
- Descriptive Questions 285

4. Quantum Physics and Application 314–424

- Objective Type Questions 330
- Descriptive Questions 388

5. Thermodynamics and Statistical Physics 425–534

- Objective Type Questions 440
- Descriptive Questions 493

6. Electronics 535–700

- Objective Type Questions 570
- Objective Type Questions (Digital Electronics) 615
- Descriptive Questions 637

7. Experimental Techniques and Data Analysis 701–759

- Objective Type Questions 717
- Descriptive Questions 741

8. Atomic and Molecular Physics 760–853

- Objective Type Questions 771
- Descriptive Questions 797

9. Condensed Matter Physics 854–945

- Objective Type Questions 867
- Descriptive Questions 907

10. Nuclear and Particle Physics 946–1033

- Objective Type Questions 964
- Descriptive Questions 986
- Descriptive Questions (Particle Physics) 1024
- Model Paper-1 1034–1048
- Model Paper-2 1049–1064