

PHYSICS IAS MAINS

PAPER I (300 Marks)

1. Classical Mechanics : Particle dynamics , System of particles , Rigid body dynamics
2. Special Relativity, Waves & Geometrical Optics
3. Physical Optics : Interference , Diffraction , Polarization and Modern Optics
4. Electricity and Magnetism
5. Electromagnetic Theory & Black Body Radiation
6. Thermal and Statistical Physics

PAPER II (300 Marks)

1. Quantum Mechanics
2. Quantum Mechanics II & Atomic Physics
3. Molecular Physics
4. Nuclear Physics
5. Particle Physics & Solid State Physics
6. Electronics

For Reading Books: *Very specific to topics (In required syllabus ... be very professional) because in the last time of examination organizing the whole syllabus is not simple task. So In UPSC preparation ... It is very important: **What has not read? What is irrelevant? What is not related to UPSC? Be focused and Clear and Try to simplify the process of preparation according to own thinking pattern, skill sets, environment & conditions. Design own strategy & planning.***

PAPER I (300 Marks)

Classical Mechanics by Gupta , Kumar & Sharma

Reference :
by Herbert Goldstein
by D. S. Mathur
by Takwale and puranik
by Kleppner & Kolenkov

Special Relativity by Takwale and Puranik

Ref: by Robert Resnik ,
by Gupta & Goyal

Waves by B. S. Agrawal

Geometric Optics by Ajay Ghatak &
Optics by B. S. Agrawal

Electricity & Magnetism & EM Theory by By David Griffins
by Chopra & Agrawal

Thermal Physics & Black body Radiation by Satya Prakash ,
Singal & Agrawal
Ref: by H C Garg

PAPER II (300 Marks)

All Basics on Quantum Mechanics (Paper II)
by Arthur Beiser

Quantum physics by Satya Prakesh
Ref: by Zaitely

Atomic & Molecular by Raj Kumar

Nuclear & particle Physics by S. B. Patel
Ref : by Pandya & Yadav

Solid State physics by B. S. Agrawal
Ref : by B S Agrawal

Electronics by Millmen & Halkiyas
Ref: by V. K . Mehta

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