

UPSC Physics Optional Books

UPSC Physics Optional Books for Paper 1

Topics like Classical Mechanics, Special Relativity, Physical Optics, etc are part of the Paper-1 of UPSC physics syllabus. Below we have provided UPSC physics optional book list that covers these topics.

- A Dictionary of Physics – Goldstein
- A Textbook of Sound – Khanna & Bedi
- Advanced Level Physics – Nelkon & Parker
- Any fundamental book on electrical engineering like B.L Theraja (Vol 1) or Vincent Del Toro
- Classical Mechanism -Gupta, Kumar & Sharma – Takewale & Puranik - H.Goldstein
- Electricity & Magnetism: D.C. TAYal, B.S. Agarwal, Griffith
- Introduction of Electrodynamics – David Griffiths
- EM Theory -Chopra&Agarwal/Satya Prakash
- Physics Vol I&II by David Halliday and Resnick
- Optics – Brijlal & Subramanyam, B.S. Agarwal, Ajoy & Ghatak
- Properties of Matter – B. Aggarwal
- Solid State Physics -Kittel
- Special Relativity-R.Resnick -Gupta & Goyal

UPSC Physics Optional Book List for Paper 2

Paper 2 of the physics syllabus for UPSC includes topics namely Quantum Mechanics, Molecular Physics, Nuclear Physics, Electronics and etc. following is a list of UPSC physics optional books to cover these topics.

- Atomic & Molecular Spectra -Rajkumar
- Atomic Physics – J. B. Rajan
- Concept of Modern Physics – Arthur Beiser
- Electronics – Millman & Halkias, S. Ramnam, Ryder or Bolstead, Malvina
- Electronics -Allen Mottershead
- Fundamental of Magnetism electricity – D.N. Vasudeva
- Mechanics – D.S. Mathur, B.S. Agarwal
- Mechanics – Kleppner & Kolenkow -D.S. Mathur

- Modern Physics – A Beiser (Concepts of modern physics), S.L. Gupta, B.S. Agarwal, J.B. Rajan
- Nuclear Physics – D.C. Tayal
- Nuclear Physics -S.B Patel Optics-Ajoy Ghatak-B.S. Agarwal
- Quantum Mechanics – A Ghatak
- Quantum Mechanics -Ghatak & Lokanathan
- Quantum Physics- Resnick & Eisberg
- Statistical Physics -B.B laud
- Thermal Physics – P.K Chakraborty – Satya Prakash, Singhal & Agarwal
- Thermal Physics – Singal, Agarwal & Prakash, B.S. Agarwal, Shah & Srivastava
- University Physics – Zemansky
- Wave/Spl.Relatively – D.S. Mathur/Kleppner Kolenkow
- Waves and Oscillations – Brijlal & Subramanyam, B.S. Agarwal