

8.7 Recommended Books

Sl.NO	REFERENCE BOOKS (CSIR) / GATE/ TIFR / JEST)	AUTHOR
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MATHEMATICAL PHYSICS

1	Mathematical Physics (With app, problems & solutions)	V. Balakrishnan
2	Mathematical Methods in the Physicists	Arfken, Weber & Harries (7th Ed)
3	Mathematical Methods for Physics & Engg	K.F. Riley & M.P Hobson (3rd Ed)
4	Mathematical Methods in the Physical Science	Mary L.Boas (3rd Ed)
5	Advanced Engineering Mathematics	Erwin Kreyszig (8th Ed)
6	Mathematical Physics	H.K.Dass, Dr.Rama Verma

CLASSICAL MECHANICS

1	Classical Dynamics	Thorton & Marion
2	Classical Mechanics	Herbet Gold Stein (2nd Ed)
3	Classical Mechanics	G.S. Chaddha
4	Classical Mechanics	Dr.J.C. Upadhayaya
5	Classical Mechanics	G.Arul Dhas

ELECTROMAGNETIC THEORY

1	Introduction to Electrodynamics	David J. Griffiths
2	Classical ElectroDynamics	John David Jackson
3	Electro Magnetics	B. B. Laud
4	Engineering Electromagnetics	W. H. Hayt J. A. Buck (7th Ed)

QUANTUM MECHANICS

1	Introduction of Quantum Mechanics	David J Griffiths
2	A Text Book of Quantum Mechanics	P. M. Mathews K. Venkatesan
3	Quantum Mechanics	Eugen Merzhacher (3rd Ed)
4	Quantum Mechanics	G. Aruldas (2nd Ed)
5	Quantum Mechanics (500 Problems with solutions)	G. Aruldas
6	Quantum Mechanics (Theory & Applications)	Ajoy Ghatak & S. Lokanathan (5th Ed)
7	Quantum Mechanics	Nouredine Zettili
8	Quantum Mechanics	John.L.Powell & Bernd Crasemen

THERMODYNAMICS & STATISTICAL PHYSICS

1	Heat & thermodynamics	Zemansky
2	Statistical Mechanics	Suresh Chandra (2nd Ed)
3	Statistical Physics	Geeta Sanon

ELECTRONICS & EXPERIMENTAL METHODS

1	Electron Device	A. P. Godse U.A Bakshi A. V. Bakshi
2	Electronic Devices & Circuits (5th Ed)	David A Bell
3	Electronic Devices & Circuits (3rd Ed)	Salivahavan, Suresh Kumar
4	Problem & Solution in Basic Electronics	Albert Malvino David J. Bates

ATOMIC & NUCLEAR PHYSICS

1	Concept of Modern Physics	Beiser
2	Introduction to Modern Physics	H.S Mani & G.K Mehta
3	Atomic & Nuclear Physics	A. B. Gupta Dipak Ghosh
4	Atomic & Molecular Physics	Raj Kumar

CONDENSED MATTER PHYSICS

1	Solid State Physics	K. Vijayakumar
2	Solid State Physics	M.A Wahab (3rd Ed)
3	Numerical Problems in SSP	M.A Wahab
4	Solid State Physics	Rita John

NUCLEAR & PARTICLE PHYSICS

1	Nuclear Physics	D. C Tayal
2	Elements of Nuclear Physics	Dr. M. L. Pandya Dr. R. P. S. Yadav