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Reference Books for IIT-JAM Physics-PH

Mathematical Methods

1. Mathematical Methods In The Physical Sciences: **Mary L Boas**
2. Advanced Engineering Mathematics: **Erwin Kreyszig**
3. Mathematical Methods for Physics & Engineering: **Riley, Hobson & Bence**
4. Vector Analysis: Schaum's Series: **Murray R Spiegel**
5. Mathematical Physics: **H.K. Dass**

Mechanics & General Properties of Matter

1. An Introduction to Mechanics: **Kleppner and Kolenkow**
2. Classical Mechanics: **Herbert Goldstein**
3. Classical Mechanics: **J.C. Upadhyaya**
4. Classical Mechanics: **Walter Greiner**
5. Classical Mechanics & General Properties of matter: **A.B. Gupta**

Oscillations, Wave and Optics

1. Waves and Oscillations: **N.K. Bajaj**
2. Waves and Oscillations: **Brij Lal & N Subrahmanyam**
3. Optics: **Ajoy Ghatak**
4. Optics: **Eugene Hecht, A. R. Ganesan**
5. Optics: **B. Ghosh**

Electricity and Magnetism

1. Introduction to Electrodynamics: **David J. Griffiths**
2. Electricity & Magnetism: **B.Ghosh**

Kinetic Theory, Thermodynamics

1. Fundamentals of Statistical Mechanics & Thermal Physics: **F. Reif**
2. Thermodynamics: **Garg, Bansal & Ghosh**
3. Heat & Thermodynamics: **H.P. Roy & A.B. Gupta**

Modern Physics

1. Quantum Physics: **H.C. Verma**
2. Concepts of Modern Physics: **Beiser, Mahajan, Choudhury**
3. Introduction to Quantum Mechanics: **David J. Griffiths**
4. Nuclear Physics: **D.C. Taya**

Solid State Physics, Devices and Electronics

- Solid State Physics: **S.O. Pillai**
- Solid State Physics: **Puri & Babbar**
- Electronic Devices & Circuit Theory: **Boylestad & Nashelsky**
- Digital Fundamentals: **Floyd**
- Electronics: **B. Ghosh**

Students can also use " I.E. Irodov " for practising problems regarding Mechanics & General Properties of matter, Oscillations, Wave and Optics, Electricity & Magnetism & Kinetic Theory & Thermodynamics.