

Most Comprehensive References List for Serious IIT Aspirants

Besides great teachers and/or dedicated Self-Study, the following reference books are invaluable in helping you master your concepts in the subjects of Physics, Chemistry & Mathematics and crack the IIT-JEE and allied exams. It is made abundantly clear to the reader that any of the above references comprise a maximum of 75% of the requirement of the student for IIT-JEE. In fact, the combined use of all the mentioned references will also not make up 100% of the requirements. A number of ideas in IIT-JEE are beyond books and can be taught only by an experienced teacher. A list of references follows as compiled by the IITian's Prashikshan Kendra academic think-tank.

Mathematics List of References

IIT-JEE Standard Recommended Books :

1. Objective Mathematics (2 Volumes) – Amit Agarwal (Arihant Pr.)
2. New Pattern IIT-JEE Mathematics – SK Goyal (Arihant Pr.)
3. IIT-JEE Mathematics – ML Khanna (JPNP Publications)
4. IIT-JEE Mathematics – Asit Dasgupta (Bharti Bhuvan Publications)
5. IIT-JEE Mathematics (5 Volumes) – Arihant Prakashan
6. IIT-JEE Mathematics (5 Volumes) – Cengage Learning
7. IIT-JEE Mathematics – Tata McGraw Hills Publications

Internationally Acclaimed Text Books Useful for IIT-JEE :

1. Text Book of Algebra – Hall & Knight
2. Text Book of Trigonometry – SL Loney
3. Text Book of Co-ordinate Geometry – SL Loney
4. Problems in Calculus of One Variable – IA Maron (CBS Publishers)
5. Problems in High School Mathematics – Prilepko (MIR)
6. Problems in Mathematics – Berman (MIR)
7. Combinatorics – Chong
8. Problems in Elementary Mathematics – Yaglom & Yaglom (MIR)

Timeless Classics for all requirements :

1. Educative JEE Mathematics – KD Joshi (University Press)
2. International Olympiad Problems Series – MAA, Klamkin, Andrescu & Reiman
3. William Lowell Putnam Competition Problems – MAA
4. MAA Olympiad Collection (45 Books)
5. Springer Books on Problem Solving Strategies – Engels & Polya

Physics List of References :

IIT-JEE Standard Recommended Books :

1. Concepts in Physics (Volume -1 & 2) – HC Verma (Bharti Bhuvan Publication)
2. NCERT Physics (Std. XI & Std. XII) (4 Volumes)
3. Physics for IIT-JEE – Resnick & Halliday (2 Volumes)
4. IIT-JEE Physics (6 Volumes) – DC Pandey (Arihant Prakashan)
5. IIT-JEE Physics (5 Volumes) – B.M.Sharma (Cengage Learning)
6. IIT-JEE Physics (5 Volumes) – Anurag Mishra (Balaji Publishers)
7. IIT-JEE Physics (2 Volumes) – GC Agarwal (GRB Publishers)
8. IIT-JEE Physics – Gupta & Gupta (JPNP Publishers)
9. IIT-JEE Physics(5 Volumes) – DC Gupta (Disha Publications)
10. Problems in General Physics – IE Irodov (CBS Publishers)
11. Aptitude Problems in Physics – Krotov (CBS Publishers)
12. 200 Puzzling Problems in Physics – Gnadig et. al. (Cambridge Univ Press)

Internationally Acclaimed Text Books Useful for IIT-JEE :

1. Fundamentals of Physics (6th Ed. Onwards) – Resnick & Halliday (Wiley)
2. Concepts of Physics (11th Ed.) – Sears, Zemansky & Young (Prentice Hall)
3. Fundamentals of Physics – Tipler & Tipler (CBS)
4. Text Books on Mechanics & Electromagnetism – Irodov (CBS)
5. Introduction to Mechanics – Kleppner & Kolenkow (McGraw Hills)

Timeless Classics for all Requirements :

1. Course in Theoretical Physics (10 Volumes) – Landau, Liphshitz et. al.
2. Berkeley Lectures in Physics (5 Volumes) – Various Authors
3. Lectures in Physics (3 Volumes) – Richard P. Feynman

Chemistry List of References :

IIT-JEE Standard Recommended Books :

1. NCERT Text Books (Std. XI & XII) – 4 Volumes
2. IIT-JEE Physical Chemistry – Dr. RK Gupta (Arihant Prakashan)
3. Essential Physical Chemistry – Rajneesh Shahi (Arihant Prakashan)
4. Concepts of Physical Chemistry – P. Bahadur (GRB / Balaji)
5. IIT-JEE Physical Chemistry – (2 Volumes) – (Cengage Learning)
6. IIT-JEE Physical Chemistry – Anil A. Alawahat (MTG Publishers)
7. IIT-JEE Chemistry (3 Volumes) – OP Tandon (GRB Publishers)
8. IIT-JEE Inorganic Chemistry – Dipak Joshi (Disha Publishers)
9. Inorganic Chemistry for IIT-JEE – JD Lee (Wiley)
10. Essential Organic Chemistry – Rajneesh Shahi (Arihant Prakashan)
11. IIT-JEE Organic Chemistry – Amit Gupta (Arihant Pr.)
12. Organic Chemistry for IIT-JEE – Solomons & Chauhan (Wiley)
13. Organic Chemistry for IIT-JEE – Verma (Cengage Learning)
14. Organic Chemistry for IIT-JEE – Jagdamba Singh (Pragati)
15. Numerical Problems in Chemistry – P. Bahadur (GRB Publ.)
16. Problems in Chemistry – Rajneesh Shahi (Arihant Pr.)
17. Problems in Chemistry – RC Mukherjee (Bharti Bhuvan)
18. Reaction Mechanisms – OP Sanyal (Bharti Bhuvan)

Internationally Acclaimed Text Books Useful for IIT-JEE :

1. Physical Chemistry (3rd Ed. onwards) – Peter Atkins (Oxford)
2. Physical Chemistry – Maron & Prutton (Oxford)
3. Physical Chemistry – Bruce H. Mahan (Narosa)
4. Physical Chemistry – Behl & Behl (Sultan Chand)
6. Inorganic Chemistry – Cotton & Wilkinson (Wiley)
7. Organic Chemistry with Study Guide – Morrison & Boyd (Prentice Hall)
8. Organic Chemistry with Study Guide – Solomons & Fryhle (Wiley)
9. Solved Problems in Organic Chemistry – Schaum Series
10. Reaction Mechanisms – Peter Sykes (Orient Blackswan)
11. Principles of Chemistry – Seinko & Plane (Addison-Wesley)

Timeless Classics for all requirements :

1. Nature of the Chemical Bond – Linus Pauling (Prentice Hall)
2. Organic Chemistry – Ingold & E.Goud (Addison Wesley)
3. Advanced Organic Chemistry – Jerry March (Wiley)

Internet References for Mathematics, Physics & Chemistry :

1. www.wikiopedia.com
2. www.komal.hu
3. www.physicsforum.com
4. www.maa.org

NB: Top IIT-JEE Coaching Institutes in India recommend a few of the above books to their students and complement it with classroom Lecture notes, Assignments, Tests and supplementary exam-oriented books published by the Institute.