

Examrace

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Admission Tests: Books for Mechanical Engineering

Most Important Books

1. Fundamentals of Classed Thermodynamics - Van Wylen
2. Heat Transfer - Gupta Prakash
3. Heat and Mass Transfer - R. Yadav - [Buy from Amazon.in](#)
4. Energy Conversion - Sukhalmoy
5. Environmental Pollution Central Engineering C S Rao
6. Surveying and Levelling - T P Kanetkar - [Buy from Amazon.in](#)
7. Heat Conversion - Arora & Kundwar
8. Manufacturing Science - R K Jain
9. Thermodynamics - R Yadav Theory of Mechanics - S S Rattan
10. Theory of Mechanism and Mechanics - Jagdish Lal.
11. Mechanic of Solids - Popru
12. Manufacturing Science - Ghosh and Malik - [Buy from Amazon.in](#)
13. Manufacturing Technology - P N Rao - [Buy from Amazon.in](#)
14. Production Manangement - R K Jain
15. Principles of Manufacturing Material & Process - Campbeu

Other References

1. Engineering Thermodynamics: PK Nag - [Buy from Amazon.in](#)
2. IC Engine: ML Mathur and RP Sharma
3. Gas Turbine and Propulsive Systems: PR Khajuria & SP Dubey
4. Fluid Mechanics: Modi & Seth RK Bansal
5. Compressible Flow: SM Yahya - [Buy from Amazon.in](#)
6. Heat and Mass Transfer: JP Hollman and RC Sachdeva
7. Refrigeration and Air Conditioning: CP Arora and Domkundwar

8. Fluid Machinery: Jagdish Lal and RK Bansal
9. Theory of Machines: RS Khurmi; Malik & Ghosh - [Buy from Amazon.in](#)
10. Mechanical Vibration: Grover - [Buy from Amazon.in](#)
11. Machine Design: Shigley; VB Bhandari - [Buy from Amazon.in](#)
12. Material Science: WD Callister; IP Singh - [Buy from Amazon.in](#)
13. Production Engineering: Kalpakjian Schmid; Amitabh Ghosh & AK Malik - [Buy from Amazon.in](#)
14. Industrial Engineering: O P Khanna; Buffa & Sarin
15. Operations Research: Kanti Swarup - [Buy from Amazon.in](#)
16. Strength of Materials: Gere & Timoshenko; BC unamia; Sadhu Singh - [Buy from Amazon.in](#)

An Exhaustive Book List for Mechanical Engineering

1. Hundson, J A (2000). Engineering Rock Mechanics VOL 2
2. Ashby, M. F. (1998) - Engineering Materials VOL 1 - [Buy from Amazon.in](#)
3. Ashby, M. F. (1998) - Engineering Materials VOL 2
4. Bai, Y. (2003) - Marine Structural Design - [Buy from Amazon.in](#)
5. Belytschko T. - Finite Elements for Nonlinear Continua and Structures
6. Bird, J. (2003) - Engineering Mathematics (4th ed.) - [Buy from Amazon.in](#)
7. Bloomer - Practical Fluid Mechanics For Engineering Applications - [Buy from Amazon.in](#)
8. Bonet, Wood - Nonlinear Continuum Mechanics For Finite Element Analysis - [Buy from Amazon.in](#)
9. Booker J.D. - Designing Capable and Reliable Products - [Buy from Amazon.in](#)
10. Brandes, E A (1992) Smithells Metals Reference Book (7th ed.)
11. Brandes, E A (1998) Smithells Light Metals Handbook
12. Brockenbrough & Merritt - Structural Steel Designer's Handbook 3rd ed. (McGraw Hill 1999) - [Buy from Amazon.in](#)
13. Brydson, J A (1999) Plastics Materials (7th ed.)
14. Burchell, T. D. (1999) Carbon Materials for Advanced Technologies - [Buy from Amazon.in](#)
15. Cahn, R. W. (1996) Physical Metallurgy (4th ed.) VOL 1 - [Buy from Amazon.in](#)

16. Cahn, R. W. (1996) Physical Metallurgy (4th ed.) VOL 2
17. Cahn, R. W. (1996) Physical Metallurgy (4th ed.) VOL 3
18. Cahn, R. W. (2001) The Coming of Materials Science - [Buy from Amazon.in](#)
19. Campbell, J. (2003) Castings - The New Metallurgy of Cast Metals (2nd ed.) - [Buy from Amazon.in](#)
20. Carpinteri, A. (2003) Biaxial-Multiaxial Fatigue and Fracture - [Buy from Amazon.in](#)
21. Carvill, J. (1993) - Mechanical Engineer's Data Handbook - [Buy from Amazon.in](#)
22. Chapman & Hall - Handbook of Thin Plate Buckling and Postbuckling - [Buy from Amazon.in](#)
23. Chen, W F & Scawthorn C. - Earthquake Engineering Handbook (CRC Press 2003) - [Buy from Amazon.in](#)
24. Ciarlet - An Introduction to Differential Geometry with Applications to Elasticity - [Buy from Amazon.in](#)
25. Cinlar, Vanderbei - Mathematical Methods of Engineering Analysis
26. Clough & Penzien - Dynamics of Structures - 3rd Edition - [Buy from Amazon.in](#)
27. Crawford, R. J. (1998) Plastics Engineering (3rd ed.)
28. El-Hawary, Ferial - Ocean Engineering Handbook (CRC Press, 2001) - [Buy from Amazon.in](#)
29. Engineering Design Reliability Handbook (CRC Press) - [Buy from Amazon.in](#)
30. Materials Science and Engineering Handbook, 3rd Edition (CRC Press)- [Buy from Amazon.in](#)
31. Mechanical Engineering Handbook (CRC Press, 1999) - [Buy from Amazon.in](#)
32. Talbot D & J - Corrosion Science And Technology (CRC Press, 1998) - [Buy from Amazon.in](#)
33. The Civil Engineering Handbook (CRC Press) - [Buy from Amazon.in](#)
34. Day R.W. - Geotechnical Earthquake Engineering Handbook
35. Elsevier - Advances in the bonded composite Repair of Metallic Aircraft Structure-VOL 1 - [Buy from Amazon.in](#)
36. Elsevier - Advances in the bonded composite Repair of Metallic Aircraft Structure-VOL 2
37. EYRES, D. J. (2001) Ship Construction (5th ed.)
38. Flaherty J.E. - Finite element analysis

39. Gavronsky W.K. - Advanced Structural Dynamics and Active Control of Structures (Springer, 2004)
40. Hand, Finch - Analytical mechanics - [Buy from Amazon.in](#)
41. Heinbockel - Introduction to Tensors and Continuum Mechanics - [Buy from Amazon.in](#)
42. Houghton, E L (2002) Aerodynamics for Engineering Students (5th ed.) - [Buy from Amazon.in](#)
43. Hudson, J A (2000) Engineering Rock Mechanics Vol-1
44. Hunter P. - Finite Element Method - Boundary Element Method
45. John Wiley & Sons - Foundations of Risk Analysis
46. Jones, D. R H (2001) Failure Analysis Case Studies II
47. Lai, Rubin, Krempl - Introduction to Continuum Mechanics 3rd ed
48. Lawrence A. Soltis - Wood handbook, Chapter 8, Structural Analysis Equations [Forest Products Laboratory 1999]
49. Lewis, Nithiarasu, Seetharamu - Fundamentals Of The Finite Element Method For Heat And Fluid Flow - [Buy from Amazon.in](#)
50. M.Sadd - Elasticity Theory, applications, and numerics
51. Marciniak, Z. Mechanics of Sheet Metal Forming (2nd ed., 2002)
52. Marghitu, Dan B. - Mechanical Engineer's Handbook (Academic Press, 2001)
53. Mathers - Welding of Aluminum and its Alloys (CRC 2002)
54. Mattiussi - The Finite Volume, Finite Difference, and Finite Elements Methods as Numerical
55. Methods for Physical Field Problems
56. McGraw Hill - Schaum's Outlines - Engineering Mechanics (1997)
57. McGraw Hill - Schaum's Outlines - Strength Of Materials (1998)
58. McGraw-Hill - Roberge P.R. - Handbook of Corrosion Engineering (1999)
59. McGraw-Hill - Building Design And Construction Handbook - 6Th Ed - (2001)
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61. Meyer C.D.- Matrix Analysis and Applied Linear Algebra
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63. Momber, A. W. (2002) Hydroblasting and Coating of Steel Structures

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66. Murakami, Y. (2002) Metal Fatigue - Effects of Small Defects and Nonmetallic Inclusions
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123. Synthesis of Subsonic Airplane Design
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125. Theoretical Aerodynamics
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127. Missile Aerodynamics
128. Aircraft Structures 3E
129. Gas Turbine Engineering Handbook 2E
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135. Engineering Mechanics Dynamics Fifth Edition SI Version

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10. Heat And Mass Transfer Mechanical Engineering Handbook

11. Machinery Handbook
12. Plant Engineer's Handbook
13. Mechanical Vibration J M Krodkiewsk
14. Robot Mechanisms And Mechanical Devices Illustrated
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16. Automotive Chassis
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20. Welding Manual
21. Analytical Mechanics
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23. Classical Dynamics 5e: Thornton
24. Crowe 7e Engineering Fluid Mechanics
25. Enggineering Mechanisc Dynamics Bedford and Fowler
26. Enggineering Mechanisc Statics Bedford 4e
27. Feedback Control of Dynamic Systems
28. Fox 6th Fluid Mech Solutions
29. Fundamentals of Heat and Mass Transfer Solutions
30. Fundamentals of Machine Component Design 3e Solutions
31. Fundamentals of Thermal-Fluid Sciences
32. Heat Transfer 2e Solutions
33. Hibbler 10th Statics
34. Hibbler Dynamics
35. Introduction Fluid Mechanics, 6th Edition Fox, McDonald, & Pritchard
36. Materials Science and Engineering an Introuction Callister
37. Merian Enggineering Mechanical Statics
38. Design and Analysis of Experiments - Montgomery

39. Moran and Shiprio Fundamentals of Engineering Thermodynamics Solutions
40. Mott 4e applied strength of materials solutions
41. Munson 4e Fundamentals of Fluid mechanics solutions
42. Nyr fluid mechanics munson 5E solutions
43. Oppenheim discrete time signals and systems solutions
44. Signal and system 2nd E
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47. Solid state electronic devices solutions
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79. Fuel system - multi-point fuel injection engines
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81. Making Biodiesel
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239. Complex Robotic Systems - Pasquale Chiacchio & Stefano Chiaverini (Eds)
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252. Industrial Robots Programming - J. Norberto Pires
253. Innovations in Intelligent Machines 1 - Javaan Singh Chahl et al (Eds)
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255. Lego Mindstorms - Robotics Invention System-2 10 Cool Projects
256. Lego Mindstorms - Building Robots
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267. Micro Electro Mechanical System Design - James J. Allen
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271. Multi-Arm Cooperating Robots- Dynamics and Control - Zivanovic and Vukobratovic
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273. Nano- and Micro Eelectromechanical Systems - S.E. Lyshevski
274. Neural Preprocessing and Control of Reactive Walking Machines - Manoonpong
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