



Energy Technology

Author :	O.P. Gupta
ISBN 13 :	978-93-86173-68-3
ISBN 10 :	93-86173-68-9
E-ISBN 13 :	978-93-86173-68-3
Edition :	First
Pages :	850
Type of book :	Paperback
Weight (g) :	1130.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 595.00
Categories :	Environmental Engineering, Electrical, Electronics & Communication Engineering, Environmental Engineering
Condition Type :	New
Country Origin :	India

Product Description

Energy Technology is an integral part of the degree, postgraduate & diploma curriculum of various branches of engineering. Besides, it is also a compulsory paper for various associate membership examination conducted by professional bodies like Institution of Engineering (AMIE), Indian Institute of Metals (AMIIM), Indian Institute of Chemical Engineering (AMIICHE), BEE etc. This book has been prepared strictly as per the syllabus of these examinations. Short questions & answer and multiple-choice questions & answers drawn from the examination papers of various engineering colleges and professional bodies examinations given at the end of the book enhances its utility for the student.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

Chapter 1: Introduction to energy basics and energy scenario. **Chapter 2:** Fuel and Combustion Technology. **Chapter 3:** Alternate fuels for transportation. **Chapter 4:** Furnaces. **Chapter 5:** Boilers. **Chapter 6:** Waste heat recovery. **Chapter 7:** Steam-properties & efficient utilization. **Chapter 8:** Thermal Insulation. **Chapter 9:** Refractories. **Chapter 10:** Basics of Electric Energy Uses. **Chapter 11:** Electric Transformers. **Chapter 12:** Electric Motors. **Chapter 13:** Fans and blowers. **Chapter 14:** Pumps and pumping system. **Chapter 15:** Cooling towers. **Chapter 16:** Compressed air system. **Chapter 17:** Refrigeration system. **Chapter 18:** Diesel Generator (DG) set system. **Chapter 19:** Energy efficient lighting systems. **Chapter 20:** Energy efficient technologies in electrical system. **Chapter 21:** Power Cogeneration. **Chapter 22:** Energy Conversion System. **Chapter 23:** Energy Storage Systems. **Chapter 24:** Energy Efficient Building. **Chapter 25:** Waste To Energy (WTE) Generation. **Short Question & Answer on Conventional Energy**

Author

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practicing experience of efficient Energy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T Kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited England and France on a study tour sponsored by United Nations Development Program (UNDP) to study the scope of energy conservation in steel plants in 1987.

