



Electrical Power Generation

Author : Tanmoy Deb

ISBN 13 : 978-93-86173-37-9

ISBN 10 : 93-86173-37-9

E-ISBN 13 : 978-93-86173-37-9

Edition : First

Pages : 584

Type of book : Paperback

Year : 2024

Language : English

Publisher : Khanna Publishing House

Price : Rs 396.00

Categories : [All book](#), [Electrical, Electronics & Communication Engineering](#), [Electrical, Electronics & Communication Engineering](#), [UNIVERSITY RECOMMENDED](#)

Condition Type : New

Country Origin : India

Product Description

Electrical Power Generation - Conventional and Renewable is comprehensive textbook meant for B.Tech (Electrical Engineering), B.Tech (Electrical and Electronics), M Tech(Electrical Engineering) and M Tech(Mechanical Engineering) students. This book is also useful for students preparing for GATE, AMIE, UPSC(Engineering Services) and IIIE Exams. The book covers complete syllabus prescribed by various universities, Institutes and NIT's etc. It contains large number of solved numerical problems, flowcharts, diagrams for easy comprehension. Various pedagogical features such as learning objectives, chapter summary, list of formulae, multiple choice questions, numerical questions and short answer type questions are provided for practice and understanding. It covers syllabus for subjects viz. power



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

Ch 1: Introduction to Power Generation Ch 2: Economic Operations Power Plants Ch 3: Thermal Power Generation Ch 4: Hydro Electric Power Generation Ch 5: Nuclear Power Generation Ch 6: Gas Turbine Based Power Generation Ch 7: Diesel Based Power Generation Ch 8: Solar Thermal and Photovoltaic Power Generation Ch 9: Wind Power Generation Ch 10: Bio-Mass Power Generation Ch 11: Geothermal Power Generation Ch 12: Ocean Thermal, Tidal and Wave Power Generation Ch 13: Thermal Power Generation Ch 14: Thermo-Electric, Thermionic and Small Hydro Power Generation Ch 15: Co-ordinated operation of Power Plants Ch 16: Electrical Energy Conservation Ch 17: Substation Annexure-A Annexure-B Bibliography Index

Author

Tanmoy Deb Dr. Tanmoy Deb had graduated in electrical engineering from NIT, Surat with distinction and gold medal. He did M.Tech (Power Systems and Drives), M.Tech (Control & Instrumentation), MBA and M.Phil (Management). He Was awarded Ph.D in Electrical Engineering by Jamia Islamia (Central University). He has authored three books and 51 research publications. He is member of 12 professional studies and honorary secretary (Delhi Chapter) of Indian Institution of Industrial Engineers (2006-08). He has 30 years of experience in teaching and industry.</p>

