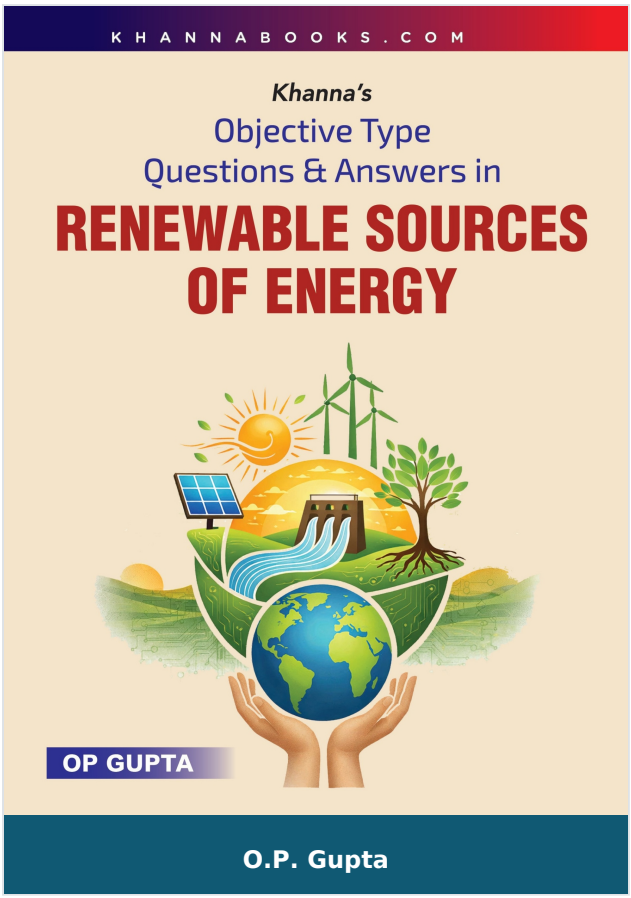

Khanna's Objective Type Questions & Answers in Renewable Sources of Energy

Author :	O.P. Gupta
ISBN 13 :	978-93-74549-43-8
ISBN 10 :	9374549433
E-ISBN 13 :	978-93-74549-43-8
Edition :	First
Pages :	192
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
Categories :	Environmental Engineering, New Arrivals, OBJECTIVE TYPE BOOKS, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

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

Product Description

Objective Type Questions and Answers in Renewable Sources of Energy is a comprehensive academic resource designed to provide a deep understanding of the rapidly evolving field of sustainable energy. Authored by Om Prakash Gupta, an experienced professional in human resource development and engineering, this book serves as a vital tool for mastering the theoretical and practical nuances of green technologies. It covers a broad spectrum of topics, including solar, wind, geothermal, biomass, and ocean energy, as well as emerging fields like nuclear fusion and Magneto Hydro Dynamic (MHD) power generation.

The book is specifically tailored to meet the curriculum needs of undergraduate, postgraduate, and diploma students across various engineering branches. It also serves as an essential preparatory guide for competitive associate membership examinations such as AMIE, AMIIM, and AMIICHE. By blending hundreds of objective-type questions with detailed short-answer explanations and an extensive glossary, the text ensures that readers can effectively bridge the gap between classroom learning and professional application. Whether you are a student, a faculty member, or a practicing consultant, this book offers a structured and engaging approach to mastering the clean energy paradigms of the future.

Salient Features

• Comprehensive Topic Coverage: This book provides an exhaustive exploration of non-conventional energy sources, including solar, wind, ocean, geothermal, biomass, hydropower, and nuclear fusion energy systems.

• Diverse Question Formats: Readers benefit from a dual-structured learning approach featuring over a hundred pages of objective-type questions followed by detailed short-answer explanations for conceptual clarity.

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• Exam-Oriented Design: The content is meticulously aligned with the syllabi of major professional bodies and engineering universities, making it an ideal companion for AMIE and competitive exams.

• Technical Glossary Included: A specialized section dedicated to a glossary of terms ensures that students and professionals can quickly master the complex terminology used in renewable energy industries.

• Practical Working Principles: The book includes descriptive answers and sketches that explain the mechanics of advanced systems like OTEC, parabolic dish collectors, and geothermal flash steam plants.

• Environmental Impact Analysis: Beyond technical mechanics, the text addresses critical environmental considerations, such as waste treatment and the ecological benefits of moving away from fossil fuels.

• Professional Reference Value: While primarily academic, the book serves as a reliable reference for practicing engineers and consultants looking to refresh their knowledge on sustainable energy applications.

• Emerging Technology Insights: The content dives into modern energy conversion devices, offering specific insights into fuel cells, thermionic converters, and Magneto Hydro Dynamic (MHD) generators.

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O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy 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

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