

Environmental Science

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Product Description

"Environmental Science" is an audit course for the first year Diploma programme in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome- based education. Book covers four units- Ecosystem, Air and Noise Pollution, Renewable Sources of Energy and Solid waste management, ISO 14000 & Environmental Management, Every unit contains as set of exercise at the end of each unit to test the student's comprehension. Some salient features of the book: 1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes. 2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc. 3. Student and teacher centric subject materials included in book with balanced and chronological manner. 4. Figures and tables are insert to improve clarity of the topics. 5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.



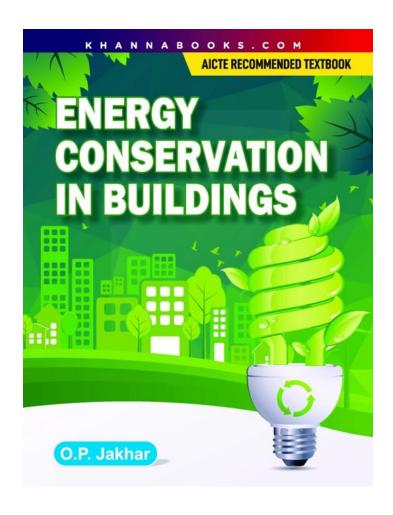
Table of Contents

Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and symbols, List of Figures, Guidelines for Teachers, Guidelines for Students, Unit 1: Ecosystem. Unit 2: Air and Noise pollution. Unit 3: Renewable sources of Energy. Unit 4: Soil waste Management, ISO 14000& Environmental management. Important Day Related to Environment CO and Po Attainment Table Index.

Authors

Subrat Roy





Energy Conservation in Buildings

Author: O.P. Jakhar

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This book has the basic motive to guide the postgraduate and research students working in the field of energy conservation. This is to cater the strong need felt by the students pursuing the course on energy Conservation in Buildings during their M. Tech. and PhD studies. I have tried to compress the subject matter from the view point of research students. The different simulation techniques, such as Power DOC-2, BSIM 2000, e-Quest, which are extensively used in the energy conservation in buildings, have been added for quick references.



Table of Contents

Chapter 1: Introduction. **Chapter 2:** History of Energy Conservation in Building. **Chapter 3:** Simulation Techniques of Energy Conservation in Building. **Chapter 4:** Passive System of Energy Conservation in Buildings. **Chapter 5:** Passive cooling Methods for Building in Hot and Dry Climate. **Chapter 6:** Energy Auditing and Radiation Cooling of Building in hot and Dry Climate. **Reference**

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