

Khanna Publishers Engineering

India's Transport System has several deficiencies such as inadequate capacity, poor safety record, emission of pollutants and outmoded technology. But as the economy is poised for a big growth in the coming years transportation engineers will have to come up with innovative ideas. The book addresses these issues and it is hoped that the engineering students studying transportation engineering will have a clear idea of the problems involved and how they transportation engineering will have a clear idea of the problems involved and how they can be overcome in their professional career.

This book is meant for diploma & degree student of metallurgical engineering for their academic programs as well as for various competitive examination for securing jobs. This book has been structured in three section. First section contains multiple choice type questions of various subjects of metallurgical engineering. Second section contains chapter wise question of GATE (Graduate Aptitude Test in Engineering) from 1991 to 2016. Third section contains SHORT QUESTIONS & ANSWERS in METALLURGICAL ENGINEERING. Fourth section contains APPENDICES containing Glossary of terms related to Metallurgical Engineering and Q&A of GATE-2017. This book has been designed to serve as "Hand Book of Metallurgical Engineering" which will be useful for various competitive examinations for recruitment in various public sector & Private Sector companies as well as for GATE Examination. Question have been arranged subject wise and answers are given at the bottom of the page.

This book is written so that it serves as a text book for B.E./B.Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:- Magnetic field and Magnetic circuit Electromagnetic force and torque D.C. Machines D.C. Machines-Motoring and Generation SALIENT FEATURES:- Self-contained, self-explanatory and simple to follow text. Numerous worked out examples. Well Explained theory parts with illustrations. Exercises, objective type question with answers at the end of each chapter.

The book "Industrial Engineering and Management" covers the syllabus of the subjects Industrial Engineering, Industrial Management, Production Planning and Control, Production Management, Engineering Economics and Costing, Industrial Organization, Principles of Management prescribed by different Indian Universities. The book is also useful for the students of management courses, section B of AIME, and U.P.S.C Engineering Services Examination. Efforts have been made to present the subject-matter in concise, compact and simple language. The theoretical concepts have been supported by large number of numerical illustrations to provide clarity.

This book covers complete syllabus of Engineering Graphics and Design along with AUTOCAD catering requirements of B.Tech. in Engineering The book is in easy to understand, simple English. It provides step-by-step solutions to problems along with suitable example and proper drawings. Using AutoCAD and Solid Work. All chapter make learning easy with unique features such as Summary, Solved examples and Practice Problems. Chapters have been organised to present data in concise format with suitable tables, diagrams, drawings and illustration.

This book is targeted to benefit the diploma in engineering students. Degree in engineering students (B.Tech-Chemical Engineering, Petroleum Engineering, Petrochemical Engineering, Aeronautical Engg., AMIE, AMIICHE, students etc. M. Tech students of various disciplines pursuing courses on petroleum refining. Faculty members/ teaching staff of engineering college/IIT's/NIT's etc. Practicing petroleum engineers/consultants/refiners in various private sector/public sector undertakings, state/central government departments, NGO's etc. Students of foreign universities of developing countries pursuing diploma/degree/postgraduate courses in various engineering disciplines having a paper in petroleum refinery engineering.?

This book on Highway Engineering shall be useful for B.E./B.Tech & M.E/ M.Tech students of Civil Engineering. It shall also be useful for practicing Engineering and designers.

This book titled "Housing for All: Design, Construction and Management" by A.K. Jain is a comprehensive assessment of the housing situation in India which not only traces the path taken by (governments so far but also outlines a roadmap for the future. The book begins with an overview of the housing scenario in India. It discusses various housing programmes and draws a distinction between affordable housing and adequate housing. The book also draws particular attention to housing issues of special groups such as the elderly, disabled, homeless, migrant and transit workers, students and single women. There is also a discussion on the issue of social and physical infrastructure. The book notes that housing units alone do not constitute housing but infrastructure plays a critical role in the occupancy of housing. The question of reducing the cost of housing has been vexatious for long. Jain deals with this issue in detail and suggests various low-cost technologies and house building systems for making housing more affordable. Another issue is that of rental housing. Jain suggests that giving a boost to rental housing through a slew of measures can go a long way in making housing more accessible and bring vacant housing into the market.

This book provides a fully comprehensive, rigorous and refreshing treatment of 'Air Pollution and Control' covering present day technology and developments. It covers various new topics like bioaerosols or aeroallergens and hazardous air pollutants including diesel exhaust and dioxins. The book is intended to meet the requirements of (a) Undergraduate and postgraduate students of particularly Environmental and Mechanical Engineering and also other branches of Engineering, (b) Technologists, designers, operation and maintenance engineers of industries, electrical power plants, heat and power utilities, (c) Aspirants for competitive examinations of IAS, IES, IFS, PCS, and aspirants for various state and private technical services, etc. and (d) General readers interested in the field for better understanding and knowledge. The book is divided into 20 chapters and presents enormous information covering all aspects of Air Pollution in various sectors relevant to Indian conditions. Each of the following chapters is followed by questions at the end based upon the text.

This book is based on expertise of the authors obtained through their long teaching careers. It is put up in a simple language so that it could cater to one and all. The attention of the students is drawn to the topics of bending moments and twisting moments which are not properly explained in most of other books. They have been explained with the help of Vectors, which are used to present these quantities in such a way that one can easily distinguish between these two,

as what is Bending moments and what is Twisting Motions.

This book is designed to meet the complete requirements of Engineering Mathematics course of undergraduate syllabus, The book consists of seven chapters viz. infinite Series, Matrices, Expansion of Functions, Asymptotes, Curvature, Partial Differentiation, Multiple Integrals, Each chapter is treated in systematic, logical and lucid manner, All these chapters are independent units in themselves. The students can go through the book picking up any chapter at any given times, without referring to other chapters, Hints, where ever necessary and answers of the questions in the exercises are given at the end of each exercise, Most of the questions-solved as well as unsolved-have been picked up from the examination papers of different universities and professional examinations, There are fully worked out examples and graded exercises (with answers) aimed at preparing the student for examination as well as higher studies, The authors have illustrated various methods to solve particular problems.

In this book, an attempt has been made by the author to present numerous important questions with answers which have been methodically prepared/selected from different text books, manuals of petroleum industries, SPE technical papers and teaching materials of distinguished persons. These questions are very relevant for promoting fundamental understanding of petroleum engineering and will be primarily useful for fresh graduates of petroleum engineering who can prepare themselves soundly for both written as well as oral examinations.

The book provides a detailed guide and optimum implementations to each of the stated 3D printing technology, the basic understanding of its operation, and the similarity as well as the dissimilarity functions of each printer. School Students, University undergraduates, and post graduate student will find the book of immense value to equip them not only with the fundamental in design and implementation but also will encourage them to acquire a system and practice creating their own innovative samples. Furthermore, professionals and educators will be well prepared to use the knowledge and the expertise to practice and advance the technology for the ultimate good of their respective organizations.

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 (AMICChE), 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.

The book provides primary information about civil engineering to both a civil and non-civil engineering audience in areas such as construction management, estate management, and building. Basic civil engineering topics like surveying, building materials, construction technology and management, concrete technology, steel structures, soil mechanics and foundations, water resources, transportation and environment engineering are explained in detail. Codal provisions of US, UK and India are included to cater to a global audience. Insights into techniques like modern surveying equipment and technologies, sustainable construction materials, and modern construction materials are also included. Key features: • Provides a concise presentation of theory and practice for all technical in civil engineering. • Contains detailed theory with lucid illustrations. • Focuses on the management aspects of a civil engineer's job. • Addresses contemporary issues such as permitting, globalization, sustainability, and emerging technologies. • Includes codal provisions of US, UK and India. The book is aimed at professionals and senior undergraduate students in civil engineering, non-specialist civil engineering audience

This book, "No Heist But Bestowal by Young Mindz" is a fictional storybook which consists of stories written by the students purely out of their imagination and the perceptions they shared related to their creativity. This storybook is a successful product of the workshop- 'Young Minds as Authors' conducted under the supervision of Dr. Tanvi Gupta, Founder & CEO, YOUNG MINDZ. The creation of these stories encompassed a strategic movement from ideation, theme finalization, description of characters and required emotions or expressions with suitable dialogue exchange by the characters. These stories revolve around the events that our young authors could relate to and even, some strange events encountered in normal or fictional life. It is a book based on the theme of good conduct, which has been presented by the authors in their mode of expression. These emerging authors have tried their level best to create vivid visuals through their words about the different situations and transitions in their stories. All the stories are very engrossing with a unique appeal that holds the reader's interest throughout. It is a wonderful compilation, which can be considered captivating. It is the output of author's creativity and ability to convert their ideas into a creative writing piece of value. It has been created with the intention of enabling engrossing reading experience for our readers. Provides a comprehensive coverage of the subject, Includes numerous illustrative example, Demonstrate the development of algorithms in a lucid manner, Demonstrate the implementation of algorithms in a good programming style, provides challenging programming exercise to test you knowledge gained about the subject, Glossary of terms for ready reference

This volume records the proceedings of an international conference organised as a tribute to the contribution made by Professor H. Fessler over the whole of his professional life, in the field of applied stress analysis. The conference, held at the University of Nottingham on 30 and 31 August 1990, was timed to coincide with the date of his formal retirement from the post of Professor of Experimental Stress Analysis in the University. The idea grew from discussions between some of Professor Fessler's academic associates from Nottingham and elsewhere. An organising committee was set up, and it was decided to invite contributions to the conference in the form of review papers and original research papers in the field of experimental, theoretical and computational stress analysis. The size of the response, both in papers submitted and in attendance at the conference, indicates that the idea proved attractive to many of his peers, former associates and research students. A bound copy of the volume is to be presented to Professor Fessler at the conference dinner on 30 August 1990.

This book is meant for diploma students of chemical engineering and petroleum engineering both for their academic programmes as well as for competitive examination. This book Contains 18 chapters covering the entire syllabus of diploma course in chemical engineering and petrochemical engineering. This book in its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types of written tests and interviews faced by chemical engineering and petrochemical engineering diploma students of the country. Since branch related subjects of petrochemical engineering are same as that of chemical engineering diploma students, so this book will be equally useful for diploma in petrochemical engineering students.

This book 'Basic Mechanical Engineering' has been written to provide knowledge and insight into various aspects of Mechanical Engineering. This book is intended as text book to be used by the students in the technical institutions i.e. Engineering Colleges and Polytechnics. The book covers Syllabi of various Universities on 'Basic Mechanical Engineering', 'Elements of Mechanical Engineering', 'Mechanical Engineering', 'Introduction to Mechanical Engineering' and 'Fundamentals of Mechanical Engineering' for the students of all the disciplines of Engineering. Adequate attention has been paid to emphasize on basic principles involved in the subject matter. The explanation in the text has been supported with line diagrams, along with numerous solved problems. The readers will find the book highly useful as a comprehensive text covering basic principles in simple language and easy to grasp formatting.

Khanna Publishers Civil Engineering Handbook
Engineering Mathematics
Krishna Prakashan Media
3D Printing & Design
KHANNA PUBLISHING HOUSE

This book of chemical & Petroleum Engineering Contains of Various Topics. It covers different type of question with their Answers and Fill in the Blanks. Required data and equations are given for day to day calculations of Chemical Engineering topics. This book is necessary tool or an instrument for Chemical & Petroleum Engineers.

