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A Textbook of Production Technology (for Engineering Students) Khanna's Multichoice Questions & Answers in Metallurgical Engineering Industrial Engineering And Management Industrial Engineering and Management Industrial Engineering and Management A Text Book of Material Science and Metallurgy Khanna's Qbjective Type Questions & Answers in Chemical Engineering Energy Technology A Text Book of Welding Technology for Engineering Students Elements of Petroleum Refinery Engineering Industrial Engineering and Management with an Appendix Introducting Essentials of Metallurgical Thermodynamics Engineering Chemistry Elements of Fuel & Combustion Technology Macroeconomics Principles of Management Engineering Chemistry Foundry Technology Elements of Solid & Hazardous Waste Management Chemical Process Technology Principles of Management MG-1351 Textbook of Welding Technology Khanna's Objective Questions in Petroleum Engineering The Civil Engineering Handbook Industrial Engineering and Production Management Machine Drawing PRODUCTION TECHNOLOGY Elements of Water Pollution Control Engineering Mathematics-II Engineering Materials and Metallurgy Armament Engineering Engineering Mathematics Congressional Record A Textbook of Production Engineering Civil Engineering Construction Materials Chemical Engineering Design Production Technology Vol . I Manufacturing Processes (As Per the UPTU New Syllabus) Basic Electrical Engineering Elements of Environmental Pollution Control

For close to 30 years, “Basic Electrical Engineering” has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand. Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors This book describes the essential features of Solid & Hazardous Waste Management covering the following topic: Introduction to Solid Waste Management Municipal Solid Waste (MSW) Management Industrial Solid Waste Management Radioactive Waste (BMW) Management e- Waste Management Integrated Solid Waste Management (ISWM) Besides, Short question & answers and multiple-choice questions & answers drawn from the examination papers of various engineering colleges and professional bodies examination given at the end of the book enhances its utility for the students. The book will be useful for degree, postgraduate & diploma courses in engineering, AMIE, AMIIM & AMMIIChe examinations. Thermodynamics is the very basic science to appreciate all engineering disciplines, more particularly the chemical, metallurgical and mechanical engineering in terms of the efficiencies in various related operations that is why metallurgical thermodynamics has been

developed specifically to understand the metallurgical engineering processes and their energy efficiencies. Any change is driven by the potential driving it. Thermodynamics is the tool to appreciate that potential and to assess the related energy efficiency. Hence thermodynamics is the basic tool that helps to assess finally the economics of any metallurgical process. The more one understands it the better. The present book attempts to explain the very basic thermodynamic concepts underlying metallurgical engineering operations and therefore the related economics. The main objective kept in mind in writing this book is to familiarize the readers with various types of construction materials their manufacture or production, classification, important physical and chemical properties, their uses advantages, disadvantages, testing etc. The book has been written in a very simple and lucid language, illustrated with neatly drawn diagrams and problems The book is designed keeping in mind syllabus of various universities, AIME, The book will prove equally useful to the practicing engineers. Manufacturing Processes is meant for the students of B.Tech. in all branches of engineering, namely, Mechanical, Electronics, Computer, Information Technology, Electrical and Civil. This book aims to fullfil specific need. Effective from 2008-09 sessions 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 will cater to the needs of students who want to pursue a Diploma in Engineering, Degree in Engineering (B.Tech/B.E., B.Sc.(Engg.) students. Postgraduate degree in Engineering (M. Tech, M.E.) students. AMIE (Associate membership of Indian Institute of Metals) examination. AMIIChE (Associate Membership of Indian Institute of Chemical Engineers) examination. AIC (Associateship of Institute of Chemist) examination. Practicing engineers in the field of environmental engineering. Environmental engineering professionals. This is the revised edition of the book with new chapters to incorporate the latest developments in the field.It contains appox. 200 problems from various competitive examinations (GATE, IES, IAS) have been included.The author does hope that with this, the utility of the book will be further enhanced. This book is Designed for the students of Engineering and Technology as well as specially for Mechanical Engineering Degree and Diploma students. The teaching of this course faces difficulty in explaining the various concept of machine drawing viz., orthographical projection, sectioning, complicated mechanical assembly drawing etc. Sometimes explanation requires some three dimensional and complicated drawing to be drawn on the black board which is quite impossible due to the time constraint of class. This book is an outcome of the strong need felt by students offering the course and the teaching need felt by us. The teacher can explain the related concepts, drawing methods and uses of various parts being drawn etc. in each practical class without bothering the black board. The subject matter has been compressed from the view point of Mechanical Engineering students. The book also contains Basic Drawing Softwares which describes about the basics of Auto-CAD, CATIA, PROE, ANSYS etc. which is useful for today's need of Engineering & Technology. The purpose of this book, Production Technology, is to provide a comprehensive knowledge and insight into various aspects of engineering materials, their heat and fabrication, manufacturing processes, machining and tooling techniques, non-conventional methods of machining, the cutting tools, tooling equipment and machine tools, dies, jigs and fixtures, presses etc. As computers are finding more and more usage in factories, special attention has been given for their full coverage. Other chapters have been especially added in view of the latest trends and developments taking place in the field of production. Modern practices and recent trends on automation have been covered in each chapter. A good number of important problems collected from several universities have been solved and given at the end of each chapter. This treatise on Engineering Materials and Metallurgy contains comprehensive treatment of the matter in simple,lucid and direct language and envelopes a large number of figures which reinforce the text in the most efficient and effective way.The book comprise five chapters(excluding basic concepts)in all and fully and exhaustively covers the syllabus in the above mentioned subject of 4th.Semester Mechnical,Production,Automobile Engineering and 2nd semester Mechnical disciplines of Anna University. The book contains twelve chapters followed by appendices (meant for specific target reader groups) pertaining to complete domain of water pollution control engineering. Beside, it also contains two chapters devoted to short questions & answers and multiple choice questions & answers drawn from the examination papers of various engineering colleges for the benefits of the students. the book will be useful for degree & diploma curriculum oo various branches of engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), Indian Institute of Metals (AMIIM), Indian Institute of Chemical Engineers (AMIIChE), Institute of Chemist etc. It will also be equally useful for M.Sc. & B.Sc. students. SALIENT FEATURES OF THE BOOK Subject matter has been presented in simple, lucid & easy to understand language. Covers all the topics included in the syllabus of various engineering colleges/Technical Institutes & professional bodies examination papers. Short question & answers 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 students. Up to date statistics and glossary of terms related to the subject have been included. First published in 1995, the award-winning Civil Engineering Handbook soon became known as the field's definitive reference. To retain its standing as a complete, authoritative resource, the editors have incorporated into this edition the many changes in techniques, tools, and materials that over the last seven years have found their way into civil This book contains detailed description of solid, liquid, gaseous fuels, combustion and furnaces. Beside short questions and answers and multiple choice questions & answers

and multiple choice questions; answers drawn from the examination papers of various engineering Colleges and professional bodies examinations are also included. The book will be useful for degree & diploma curriculum of various branches of Engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), indian Institute of Metals(AMIIM), Indian Institute of Chemical Engineers(AMIIChE), Institute of Chemicals etc. 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. This book will be useful for degree & diploma Curriculum of Engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers(AMIE) and Indian Institute of chemical Engineers (AMIIChE) etc. Salient Features of This Book * Subject matter has been presented in simple, lucid & easy to understand language * Covers all the topics included in the syllabus of various engineering colleges/Technical Institutes & professional bodies examination papers. About the Book: This book Engineering Mathematics-II is designed as a self-contained, comprehensive classroom text for the second semester B.E. Classes of Visveswaraiah Technological University as per the Revised new Syllabus. The topics included are Differential Calculus, Integral Calculus and Vector Integration, Differential Equations and Laplace Transforms. The book is written in a simple way and is accompanied with explanatory figures. All this make the students enjoy the subject while they learn. Inclusion of selected exercises and problems make the book educational in nature. It shou. 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. Probably a first in the field since Elements of Ordnance by Haynes, published in the 1900's, this is a book with a practical and up to date approach to a complex subject. Intended for the mechanical engineer concerned with large calibre gun engineering, it puts mechanical engineering and weapon uniqueness into clear perspective and prepares the groundwork for the intricacies of gun design. A wealth of engineering information is covered in seven chapters, including, gun barrels, breech assemblies, recoil systems, muzzle brakes, supporting structures, elevating and traversing mechanisms and balancing. The analyses contained in each chapter are illustrated by worked examples supported by straightforward computer applications. In all, a valuable book for both teacher and student in a field where published works are almost impossible to come by. This volume found acceptance as a text book and reference material at colleges in the US, Canada, UK, Spain, Germany, Finland and Czechslovakia 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. 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.? For close to 20 years, “Industrial Engineering and Production Management” has been a successful text for students of Mechanical, Production and Industrial Engineering while also being equally helpful for students of other courses including Management. Divided in 5 parts and 52 chapters, the text combines theory with examples to provide in-depth coverage of the subject.

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