

Op Gupta Chemical Engineering Objective

Civil Engineering
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Transport phenomena
Khanna's Objective Type Questions & Answers in Chemical Engineering
Engineering Materials
Electrical Machines-I
Objective Electrical Technology
Handbook of Chemical Engineering Calculations
Finite and Boundary Element Methods in Engineering
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The Power
Khanna's Objective Questions in Petroleum Engineering
Objective Type Questions and Answers in Chemical Engineering
Handbook of Emergency Response to Toxic Chemical Releases
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Fuels, Furnaces and Refractories
A Textbook of Strength of Materials
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Chemical Thermodynamics and Information Theory with Applications
Chemical Engineering for Non-Chemical Engineers
Shreve's Chemical Process Industries
Rules of Thumb for Chemical Engineers
Energy Technology
Hand Book of Mechanical Engineering
Physical Chemistry
STOICHIOMETRY AND PROCESS CALCULATIONS
Automobile Engineering
Production Technology
Engineering Chemistry Laboratory Manual
Company Law
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Thermodynamics

Civil Engineering

Chemical Engineering

The Book Thoroughly The Following: Physical Chemistry With Detailed Concepts And Numerical Problems. Organic Chemistry With More Chemical Equations. Inorganic Chemistry With Theory And Examples. In Addition To A Well Explained Theory The Book Includes Well Categorized Classified And Sub-Classified Questions On The Basis Of Latest Trends Of Examination Papers. Salient Features As Per The Syllabus Of Engineering And Medical Entrance Examinations Previous Years Solved Papers Every Unit Contains (I) Main Highlights; (Ii) Multiple Choice Questions; (Iii) True And False Statements; (Iv) Hints And Solutions.

Transport phenomena

Khanna's Objective Type Questions & Answers in Chemical Engineering

Chemical Engineering Sample Exams offers the most complete set of sample exams available with step-by-step solutions to every problem in the book. It is a superb reference guide, and it provides ample practice for the exams, including the new

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breadth/depth exams.

Engineering Materials

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 (AMIChE), 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.

Electrical Machines-I

Objective Electrical Technology

Automobile Engineering is a simple e-Book for Automobile Diploma & Engineering Course, Revised Syllabus in 2018, It contains objective questions with underlined & bold correct answers MCQ covering all topics including all about the latest & Important about Automobile Mechanics, Applied Science Lab, Automobile Workshop Practice, Auto Electrical and Electronics, Automobile Workshop Tech, Auto Repair and Maintenance, Automotive Engine Auxiliary

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Systems, Automobile Chassis and Transmission, Automotive Engines, Automobile Machine Shop, Automotive Estimation and Costing, Automotive Pollution and Control, Engine and Vehicle Testing Lab, Basic Computer Skills lab English Communication, Basic Electrical and, Electronics Engineering, Hydraulics, Pneumatics and Power Plant, C Programming, CAD Practice, Machine Design and Theory of M/Cs, Computer-Aided Engineering, Graphics, Mechanical Testing Lab, Modern Vehicle Technology, Thermal engineering I, Motor Vehicle Management, Vehicle Maintenance, Organizational Management, Vehicle Maintenance Lab, Project, Industrial Visit, and Seminar, Foundry, Welding and Sheet Metal Practice, Special Vehicle and Equipment, Strength of Materials and lots more.

Handbook of Chemical Engineering Calculations

Outlines the concepts of chemical engineering so that non-chemical engineers can interface with and understand basic chemical engineering concepts
Overviews the difference between laboratory and industrial scale practice of chemistry, consequences of mistakes, and approaches needed to scale a lab reaction process to an operating scale
Covers basics of chemical reaction engineering, mass, energy, and fluid energy balances, how economics are scaled, and the nature of various types of flow sheets and how they are developed vs. time of a project
Details the basics of fluid flow and transport, how fluid flow is characterized and explains the difference between

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positive displacement and centrifugal pumps along with their limitations and safety aspects of these differences Reviews the importance and approaches to controlling chemical processes and the safety aspects of controlling chemical processes, Reviews the important chemical engineering design aspects of unit operations including distillation, absorption and stripping, adsorption, evaporation and crystallization, drying and solids handling, polymer manufacture, and the basics of tank and agitation system design

Finite and Boundary Element Methods in Engineering

Civil Engineering

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.

FE Chemical Review Manual

Keeping the importance of basic tools of process calculations—material balance and energy

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balance—in mind, the text prepares the students to formulate material and energy balance theory on chemical process systems. It also demonstrates how to solve the main process-related problems that crop up in chemical engineering practice. The chapters are organized in a way that enables the students to acquire an in-depth understanding of the subject. The emphasis is given to the units and conversions, basic concepts of calculations, material balance with/without chemical reactions, and combustion of fuels and energy balances. Apart from numerous illustrations, the book contains numerous solved problems and exercises which bridge the gap between theoretical learning and practical implementation. All the numerical problems are solved with block diagrams to reinforce the understanding of the concepts. Primarily intended as a text for the undergraduate students of chemical engineering, it will also be useful for other allied branches of chemical engineering such as polymer science and engineering and petroleum engineering.

KEY FEATURES

- Methods of calculation for stoichiometric proportions with practical examples from the Industry
- Simplified method of solving numerical problems under material balance with and without chemical reactions
- Conversions of chemical engineering equations from one unit to another
- Solution of fuel and combustion, and energy balance problems using tabular column

ISC Mathematics book 1 for Class- 11

Fuels, Furnaces and Refractories focuses on the

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sources and efficient use of energy available to modern industry. This book begins with the classification, properties, tests, and different kinds of fuels, as well as trends in fuel utilization. This text also tackles the generation and distribution of electricity from both chemical and nuclear energy sources. Subsequent chapters focus on the thermodynamics, physics, chemistry, and kinetics of combustion of fuels; the burner design; the heat transfer and flow of gases through furnaces and flues; and ways of controlling energy supply rates and temperatures. The refractory materials, which are heat-resisting substances, are also described.

The Power

Khanna's Objective Questions in Petroleum Engineering

Objective Type Questions and Answers in Chemical Engineering

A compilation of the calculation procedures needed every day on the job by chemical engineers. Tables of Contents: Physical and Chemical Properties; Stoichiometry; Phase Equilibrium; Chemical-Reaction Equilibrium; Reaction Kinetics and Reactor Design; Flow of Fluids and Solids; Heat Transfer; Distillation; Extraction and Leaching; Crystallization; Filtration; Liquid Agitation; Size Reduction; Drying; Evaporation; Environmental Engineering in the Plant. Illustrations.

Index.

Handbook of Emergency Response to Toxic Chemical Releases

Life is impossible without chemistry. Engineering chemistry has a special role to play in the curriculum of under graduate students of all branches of Engineering. The present book entitled “ENGINEERING CHEMISTRY LABORATORY MANUAL” is very useful to Engineering students of various Institutions. The practical book providing simple and easy approach on the subject matter to Engineering students.

Microbiology

This edition has been thoroughly revised and enlarged. It is still considered to be a must for all those sitting Civil Engineering examinations.

Fuels, Furnaces and Refractories

Introduces Emerging Engineering Materials
Mechanical, materials, and production engineering students can greatly benefit from Engineering Materials: Research, Applications and Advances. This text focuses heavily on research, and fills a need for current information on the science, processes, and applications in the field. Beginning with a brief overview, the book provides a historical and modern perspective on material science, and describes various types of engineering materials. It examines the industrial process for emerging materials,

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determines practical use under a wide range of conditions, and establishes what is needed to produce a new generation of materials. Covers Basic Concepts and Practical Applications The book consists of 18 chapters and covers a variety of topics that include functionally graded materials, auxetic materials, whiskers, metallic glasses, biocomposite materials, nanomaterials, superalloys, superhard materials, shape-memory alloys, and smart materials. The author outlines the latest advancements, including futuristic plastics, sandwich composites, and biodegradable composites, and highlights special kinds of composites, including fire-resistant composites, marine composites, and biomimetics. He also factors in current examples, future prospects, and the latest research underway in materials technology. Contains approximately 160 diagrams and 85 tables Incorporates examples, illustrations, and applications used in a variety of engineering disciplines Includes solved numerical examples and objective questions with answers Engineering Materials: Research, Applications and Advances serves as a textbook and reference for advanced/graduate students in mechanical engineering, materials engineering, production engineering, physics, and chemistry, and relevant researchers and practicing professionals in the field of materials science.

A Textbook of Strength of Materials

Company Law by Dr. O.P. Gupta is a publication of the SBPD Publishing House, Agra. Dr. O.P. Gupta holds a

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M.Com., LL.B., Ex-F.C.S. and Ph.D. degree. He was a reader at the P.G.D.A.V. College (University of Delhi), New Delhi.

Petroleum Refining Technology

Continuing the tradition of the best selling textbooks, this first edition "Engineering Thermodynamics" is a comprehensive reference to the broad spectrum of thermodynamics, encapsulating the theoretical and practical aspects of the field. The author addresses a myriad of topics, covering both traditional and innovative approaches. Additionally, the book includes numerous tables

HEAT TRANSFER

"Microbiology covers the scope and sequence requirements for a single-semester microbiology course for non-majors. The book presents the core concepts of microbiology with a focus on applications for careers in allied health. The pedagogical features of the text make the material interesting and accessible while maintaining the career-application focus and scientific rigor inherent in the subject matter. Microbiology's art program enhances students' understanding of concepts through clear and effective illustrations, diagrams, and photographs. Microbiology is produced through a collaborative publishing agreement between OpenStax and the American Society for Microbiology Press. The book aligns with the curriculum guidelines of the American Society for Microbiology."--BC

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Campus website.

Atomic Structure and Chemical Bond

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.

New Mathematics Today book 8

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

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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.

Objective Chemistry

What would happen if women suddenly possessed a fierce new power? "The Power is our era's *The Handmaid's Tale*." --Ron Charles, *Washington Post*
****WINNER OF THE BAILEYS WOMEN'S PRIZE FOR FICTION**** One of the *New York Times*'s Ten Best Books of the Year One of President Obama's favorite reads of the Year A *Los Angeles Times* Best Book of the Year One of the *Washington Post*'s Ten Best Books of the Year An NPR Best Book of the Year One of *Entertainment Weekly*'s Ten Best Books of the Year A *San Francisco Chronicle* Best Book of the Year A *Bustle* Best Book of the Year A *Paste Magazine* Best Novel of the Year A *New York Times* Book Review Editors' Choice An Amazon Best Book of the Year "Alderman's writing is beautiful, and her intelligence seems almost limitless. She also has a pitch-dark sense of humor that she wields perfectly." --Michael Schaub, NPR
In *THE POWER*, the world is a recognizable place: there's a rich Nigerian boy who lounges around the family pool; a foster kid whose religious parents hide their true nature; an ambitious American politician; a tough London girl from a tricky family. But then a vital new force takes root and flourishes, causing their lives to converge with devastating effect. Teenage girls now have immense physical power--they can cause

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agonizing pain and even death. And, with this small twist of nature, the world drastically resets. From award-winning author Naomi Alderman, *THE POWER* is speculative fiction at its most ambitious and provocative, at once taking us on a thrilling journey to an alternate reality, and exposing our own world in bold and surprising ways.

CHEMICAL PROCESS CALCULATIONS

Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$50 at ppi2pass.com/etextbook-program.

Michael R. Lindeburg PE's FE Chemical Review Manual offers complete review for the FE Chemical exam. Features of FE Chemical Review include: complete coverage of all exam knowledge areas equations, figures, and tables of the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day concise explanations supported by exam-like example problems, with step-by-step solutions to reinforce the theory and application of fundamental concepts a robust index with thousands of terms to facilitate referencing Topics Covered Chemical Reaction Engineering Chemistry Computational Tools Engineering Sciences Ethics and Professional Practice Fluid Mechanics/Dynamics Heat Transfer Mass Transfer and Separation Material/Energy Balances Materials Science Mathematics Probability and Statistics Process Control Process Design and Economics Safety, Health, and Environment Thermodynamics Important notice! It has been

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brought to our attention that counterfeit PPI books have been circulating. Counterfeit books have missing material as well as incorrect and outdated content. While we are actively working to resolve this issue, we would like our customers to be aware that this issue exists and to be leary of books not purchased directly through PPI. If you suspect a fraudulent seller, please email details to marketing@ppi2pass.com.

Khanna's Multichoice Questions & Answers in Metallurgical Engineering

This reference provides an overview of the methods used in petroleum refining. Selected topics include exploration, production and refining, crude oils, quality control, petroleum products, thermal conversion, manufacture of bitumens, pollution control in refineries, and more.

Chemical Thermodynamics and Information Theory with Applications

This textbook is intended for courses in heat transfer for undergraduates, not only in chemical engineering and related disciplines of biochemical engineering and chemical technology, but also in mechanical engineering and production engineering. The author provides the reader with a very thorough account of the fundamental principles and their applications to engineering practice, including a survey of the recent developments in heat transfer equipment. The three basic modes of heat transfer - conduction, convection and radiation - have been comprehensively analyzed

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and elucidated by solving a wide range of practical and design-oriented problems. A whole chapter has been devoted to explain the concept of the heat transfer coefficient to give a feel of its importance in tackling problems of convective heat transfer. The use of the important heat transfer correlations has been illustrated with carefully selected examples.

Chemical Engineering for Non-Chemical Engineers

S Chand's ISC Mathematics is structured according to the latest syllabus as per the new CISCE (Council for the Indian School Certificate Examinations), New Delhi, for ISC students taking classes XI & XII examinations.

Shreve's Chemical Process Industries

New Mathematics Today, a thoroughly revised series for KG to Class 8, has been designed as per the requirements of the latest curriculum. The content of this series is designed to reach all learners in the classroom irrespective of their skill levels or learning capabilities.

Rules of Thumb for Chemical Engineers

This book bridges the gap between theory and practice. It provides fundamental information on heterogeneous catalysis and the practicalities of the catalysts and processes used in producing ammonia, hydrogen and methanol via hydrocarbon steam

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reforming. It also covers the oxidation reactions in making formaldehyde from methanol, nitric acid from ammonia and sulphuric acid from sulphur dioxide. Designed for use in the chemical industry and by those in teaching, research and the study of industrial catalysts and catalytic processes. Students will also find this book extremely useful for obtaining practical information which is not available in more conventional textbooks.

Energy Technology

The interest in finite element method as a solution technique of the computer age is reflected in the availability of many general and special purpose software based on this technique. This work aims to provide a complete and detailed explanation of the basics of the application areas.

Hand Book of Mechanical Engineering

Physical Chemistry

The most complete guide of its kind, this is the standard handbook for chemical and process engineers. All new material on fluid flow, long pipe, fractionators, separators and accumulators, cooling towers, gas treating, blending, troubleshooting field cases, gas solubility, and density of irregular solids. This substantial addition of material will also include conversion tables and a new appendix, "Shortcut Equipment Design Methods." This convenient volume

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helps solve field engineering problems with its hundreds of common sense techniques, shortcuts, and calculations. Here, in a compact, easy-to-use format, are practical tips, handy formulas, correlations, curves, charts, tables, and shortcut methods that will save engineers valuable time and effort. Hundreds of common sense techniques and calculations help users quickly and accurately solve day-to-day design, operations, and equipment problems.

STOICHIOMETRY AND PROCESS CALCULATIONS

In the present edition, authors have made sincere efforts to make the book up-to-date. A notable feature is the inclusion of two chapters on Power System. It is hoped that this edition will serve the readers in a more useful way.

Automobile Engineering

This textbook is designed for undergraduate courses in chemical engineering and related disciplines such as biotechnology, polymer technology, petrochemical engineering, electrochemical engineering, environmental engineering, safety engineering and industrial chemistry. The chief objective of this text is to prepare students to make analysis of chemical processes through calculations and also to develop in them systematic problem-solving skills. The students are introduced not only to the application of law of combining proportions to chemical reactions (as the

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word 'stoichiometry' implies) but also to formulating and solving material and energy balances in processes with and without chemical reactions. The book presents the fundamentals of chemical engineering operations and processes in an accessible style to help the students gain a thorough understanding of chemical process calculations. It also covers in detail the background materials such as units and conversions, dimensional analysis and dimensionless groups, property estimation, P-V-T behaviour of fluids, vapour pressure and phase equilibrium relationships, humidity and saturation. With the help of examples, the book explains the construction and use of reference-substance plots, equilibrium diagrams, psychrometric charts, steam tables and enthalpy composition diagrams. It also elaborates on thermophysics and thermochemistry to acquaint the students with the thermodynamic principles of energy balance calculations. Key Features :

- SI units are used throughout the book.
- Presents a thorough introduction to basic chemical engineering principles.
- Provides many worked-out examples and exercise problems with answers.
- Objective type questions included at the end of the book serve as useful review material and also assist the students in preparing for competitive examinations such as GATE.

Production Technology

Handbook of Mechanical Engineering is a comprehensive text for the students of B.E./B.Tech. and the candidates preparing for various competitive

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examination like IES/IFS/ GATE State Services and competitive tests conducted by public and private sector organization for selecting apprentice engineers.

Engineering Chemistry Laboratory Manual

In the phase transitions among the solid, liquid, and gaseous forms of water, we see a profound demonstration of how properties at the molecular scale dictate the behavior of the bulk material. As ice is heated beyond its melting point, new avenues for molecular motion become open to the energy being added. Upon entering the gas phase, the water molecules can explore new territory, unavailable to the liquid or solid. These transformations can be seen as a shifting balance between the forces that bind the molecules and the thermal energy that excites these motions--a window through thermodynamics on the intricate mechanisms that drive chemistry.

Company Law

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

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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.

Introduction to Chemical Engineering

Thermodynamics and information touch theory every facet of chemistry. However, the physical chemistry curriculum digested by students worldwide is still heavily skewed toward heat/work principles established more than a century ago. Rectifying this situation, *Chemical Thermodynamics and Information Theory with Applications* explores applications drawn from the intersection of thermodynamics and information theory—two mature and far-reaching fields. In an approach that intertwines information science and chemistry, this book covers: The informational aspects of thermodynamic state equations The algorithmic aspects of transformations—compression, expansion, cyclic, and more The principles of best-practice programming How molecules transmit and modify information via collisions and chemical reactions Using examples from physical and organic chemistry, this book demonstrates how the disciplines of thermodynamics and information theory are intertwined. Accessible to curiosity-driven chemists with knowledge of basic calculus, probability, and statistics, the book provides a fresh perspective on time-honored subjects such as

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state transformations, heat and work exchanges, and chemical reactions.

Engineering Thermodynamics

This handbook has been prepared as a working reference for the safety officer, the environmental engineer, and the consultant. For the safety officer, this handbook provides detailed guidelines and instructions in preparing Right-to-Know Reporting Audits, establishing programs and training employees on hazard awareness, and developing and implementing emergency response programs in the workplace and at off-site operations. For the environmental engineer, this handbook provides extensive technical data on toxic chemical properties and detailed instructional aid on how to properly prepare toxic chemical release inventory reporting. For the environmental consultant, an extensive overview of corrective action technologies is provided.

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