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## **ALINA ROBERTS**

### **Chemistry Vol.-1 S.**

Chand Publishing Principles of Engineering Mechanics is written keeping in mind the requirements of the Students of Degree, Diploma and A.M.I.E. (I) classes. The objective of this book is to present the subject matter in a most concise, compact, to-the-point and lucid manner. All along the approach to the subject matter, every care has been taken to arrange matter from simpler to harder, known to unknown with full details and illustrations. A large number of worked examples, mostly examination questions of Indian as well as foreign universities and professional examining bodies, have been given

and graded in a systematic manner and logical sequence, to assist the students to understand the text of the subject. At the end of each chapter, a few exercises have been added, for the students, to solve them independently. Answers to these problems have been provided.

### **Microwave, Radar & RF Engineering** YOUTH COMPETITION TIMES

This book is designed to equip the students with an in-depth and single-source coverage of the complete spectrum of Engineering Mathematics I, ranging from Differential Calculus I, Differential Calculus II, Linear Algebra, Multiple Integrals to Vector Calculus. The book, which will prove to be an epitome of learning the concepts of Mathematics, is purely intended for the

first-year undergraduate students of all branches of engineering. Bridging the gap between theory and practice, the book offers Clear and concise presentation Systematic discussion of the concepts Numerous worked-out examples make the students aware of problem-solving methodology Exercises at the end of sections contain several unsolved questions along with their answers [Electrical Machines and Control \(For UPTU, Lucknow\)](#) John Wiley & Sons

★ABOUT THE BOOK: Fluid Machinery/Hydraulic Machines is an ideal textbook, has been written to meet the comprehensive treatment of the subject matter in simple, liquid manner, can be understood by students without much

efforts and difficulty. The book comprises of Six Chapter. All the contents has been made, self contained needed as text supported by simple and self-explanatory figures, along with large number of worked examples. At the end of each Chapter, Highlights, Theoretic questions followed by large number of unsolved problems with their answers may give students opportunities to check their progress with this subject. The book will cover the need of the Engineering students of all the branches along with Power Plant Machines, throughout their study of this subject at the undergraduate level. The author is grateful to his numerous students of MIET, Greater Noida, who have contributed significantly by way of useful discussions with the subject, and this book. The author thanks to high wife Sheela has been inspiring to help in the preparation and proofreading to this book. I indeed miss to mention the patience of my children Dr. Arvind (son) and Er Aruna (Daughter) who helped to remove some omissions while preparing the edition of this book. Further the

author acknowledges a deep sense of gratitude for the affection and encouragement, shown by Sh. Atul Mangal Chairman and Sh. Anuj Mangal Vice-Chairman of Mangel Institute of Engineering and Technology Greater Noida while I had occasion to pan down this book. Despite all my efforts some errors inadvertently has escaped my attention. Suggestions from the readers for the improvement of this text will be appreciated.  
 ★RECOMMENDATIONS: A textbook for all Engineering Branches, Competitive Examination, ICS, and AMIE Examinations In S.I Units For Degree, Diploma and A.I.M.E. (India) Students and Practicing Civil Engineers. ★ABOUT THE AUTHOR: R.N. Dhar (Bagati) ★BOOK DETAILS: ISBN: 978-81-89401-53-5 PAGES: 383+10 EDITION: 1st, Year-2016 SIZE: L-24.3 B-15.7 H-1.3 (cms)  
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Chapter-wise NCERT + Exemplar + PAST 13 Years Solutions for CBSE Class 12 Physics 7th Edition Krishna Prakashan Media  
 This is a textbook for upper undergraduate and graduate courses on microwave engineering, written in a student-friendly manner with many diagrams and illustrations. It works towards developing a foundation for further study and research in the field. The book begins with a brief history of microwaves and introduction to core concepts of EM waves and wave guides. It covers equipment and concepts involved in the study and measurement of microwaves. The book also discusses microwave propagation in space, microwave antennae, and all aspects of RADAR. The book provides core pedagogy with chapter objectives, summaries, solved examples, and end-of-chapter exercises. The book also includes a bonus chapter which serves as a lab manual with 15 simple experiments detailed with proper circuits,

precautions, sample readings, and quiz/viva questions for each experiment. This book will be useful to instructors and students alike.

### **Electronics Engineering**

Nam H Nguyen

NEET/JEE (Main) 2023

Chemistry Volume-II

Previous Years Chapter-wise Objective Solved Papers

Refrigeration and Air Conditioning Excel Books India

Written with the fourth-year engineering students of undergraduate level in mind, this well set out textbook explains the fundamentals of Computer Aided Manufacturing (CAM) written in question-answer form, the book is precise and easy to understand. Computer aided manufacturing and robotics play a vital role in implementing automation in the industry. It is, therefore, essential for engineering students to have sound knowledge of the basics of CAM and robotics. This book has been designed to provide the essential and fundamental understanding of NC machines, NC part programming, system devices, computer integrated manufacturing system and robotics. In

the present second edition, the book has been thoroughly revised and enlarged. Modification to every chapter has been carried out on the basis of suggestions received.

Additional typical problems based on the examination papers of various technical universities have been included with solutions for easy understanding.

*Career Ke Vibhinna Vikalp* Dhanpat Rai Pub

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Single Phase Transformer | Three Phase Transformer And Autotransfer | Dc Motor | Three Phase Induction Motor And Servomotor | Alternator | Synchronous Motor | Introduction To Control System | Signals And Transfer Function | Modeling Of Mechanical System | Time Response Analysis | Stability | Polar Plot | Frequency Response Analysis | Root Locus Techniques | Process Control | University Question Papers

*Quality Management Practices* Pearson Education India

Written with the first year engineering students of undergraduate level in mind, the well-designed textbook, now in its Third Edition, explains the fundamentals of

mechanical engineering in the area of thermodynamics, mechanics, theory of machines, strength of materials and fluid dynamics. As these subjects form a basic part of an engineer's education, this text is admirably suited to meet the needs of the common course in mechanical engineering prescribed in the curricula of almost all branches of engineering. This revised edition includes a new chapter on 'Fluid Dynamics' to meet the course requirement.

Key Features • Presents an introduction to basic mechanical engineering topics required by all engineering students in their studies. • Includes a series of objective type question (True and False, Fill in the Blanks and Multiple Choice Questions) with explanatory answers to help students in preparing for competitive examinations. • Provides a large number of solved problems culled from the latest university and competitive examination papers which help in understanding theory.

*Engineering Mechanics* PHI Learning Pvt. Ltd. Basic Of Concepts • D.C. Circuit Analysis • Network Theorem • A. C.

Fundamentals • Analysis Of Single Phase A.C. Circuit • Three Phase A.C. Circuit • Measuring Instruments • Introduction To Power System • Magnetic Circuits • Single Phase Transformer • D.C. Machines • Induction Motors • Three Phase Synchronous Machines Papers Index

Computer Graphics with An Introduction to Multimedia, 4th Edition

YOUTH COMPETITION TIMES

The contribution of Electrical Machines is enormous in the present technological world. A number of new variants of basic machines have been developed in the past years and new topologies have emerged such as permanent magnet machine, reluctance machine, brushless DC machines and linear machines. Apart from the design and basic structure of machines, their control algorithm is another aspect where effort is being made worldwide. Nevertheless the basic underlying principle of operation remains more or less same for all types of machines. It is this fundamental concept where emphasis is being put in the present textbook.

*Electronic Measurements*

*and Instrumentation (For UPTU, Lucknow)* Firewall Media

This book is the outcome of the efforts of many professionals working both in academia and industry who have contributed to the proceedings of the International Conference on Quality Management Practices for Organizational Excellence . Organizational Excellence is a final product composed of two basic elements alloyed prudently by the members/stakeholders of an organization. These two basic elements are Strategy and Culture . When we talk of quality management practices, we have to pursue quality as a strategy and also quality as a culture . Quality as strategy is a conscious and deliberate search for a plan of action that will develop an organization's distinctive competence and compound it. Quality as culture is the amalgamation of behavior patterns of all the stakeholders in terms of beliefs, values, attitudes etc. In other words, quality management is the epicenter of the competitive organizations of the future in which strategy is the scientific

pursuits and culture is the artistic artifacts.

Numerous authors have put forth their logical thoughts, have articulated their concepts and have validated their hypothesis relating to quality management. The papers, which have found place in this book aim at creating values of quality management practices. A Foundation Course in Human Values and Professionals Ethics S. Chand Publishing The Instrument and Automation Engineers' Handbook (IAEH) is the #1 process automation handbook in the world. Volume one of the Fifth Edition, Measurement and Safety, covers safety sensors and the detectors of physical properties. Measurement and Safety is an invaluable resource that: Describes the detectors used in the measurement of process variables Offers application- and method-specific guidance for choosing the best measurement device Provides tables of detector capabilities and other practical information at a glance Contains detailed descriptions of domestic and overseas products, their features, capabilities, and suppliers,

including suppliers' web addresses Complete with 163 alphabetized chapters and a thorough index for quick access to specific information, Measurement and Safety is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries. About the eBook The most important new feature of the IAEH, Fifth Edition is its availability as an eBook. The eBook provides the same content as the print edition, with the addition of thousands of web addresses so that readers can reach suppliers or reference books and articles on the hundreds of topics covered in the handbook. This feature includes a complete bidders' list that allows readers to issue their specifications for competitive bids from any or all potential product suppliers.

*Fundamentals of Computer Aided*

*Manufacturing, 2/e* John Wiley & Sons  
This well-written textbook discusses the concepts, principles and applications of Computer Graphics in a simple, precise and systematic

manner. It explains how to manipulate visual and geometric information by using the computational techniques. It also incorporates several experiments to be performed in computer graphics and multimedia labs.

Engineering Physics - I (U.P. Technical University, Lucknow) S. Chand Publishing

This book is written in a simple and easy-to-understand language to explain the fundamental concepts of the subject. The book presents the subject of EMI in a comprehensive manner to the students at undergraduate level. This book not only covers the entire scope of the subject but also explains the philosophy of the subject. This makes the understanding of the subject more clear and interesting. The book will be very useful not only to the students but also to the faculty members. Any suggestions for the improvement of the book will be acknowledged and well appreciated.

**Engineering Mechanics**

Disha Publications  
Engineering Mechanics has been designed as per updated and new syllabus of various technical universities and

engineering colleges. The book systematically develops the concepts and principles essential for understanding the subject. The difficulties usually faced by new engineering students have been taken care of while preparing the book. A large number of numerical problems have been selected from university and competitive examination papers and question banks, properly graded, solved and arranged in various chapters. The present book has been divided in five parts: Two-Dimensional Force System Beams and Trusses Moment of Inertia Dynamics of Rigid Body Stress and Strain Analysis The highlights of the book are: Comparison tables and illustrative drawings Exhaustive question bank on theory problems at the end of every chapter A large number of solved numerical examples SI units used throughout *Business Communication* Sanbun Publishers  
The 21 chapters in this book presents a comprehensive overview of flexible supercapacitors using engineering nanoarchitectures mediated by functional nanomaterials and polymers as electrodes,

electrolytes, and separators, etc. for advanced energy applications. The various aspects of flexible supercapacitors, including capacitor electrochemistry, evaluating parameters, operating conditions, characterization techniques, different types of electrodes, electrolytes, and flexible substrates are covered. This is probably the first book of its type which systematically describes the recent developments and progress in flexible supercapacitor technology, and will be very helpful for generating new and innovative ideas in the field of energy storage material for wearable/flexible industry applications.

Engineering Mathematics – Volume Iii PHI Learning Pvt. Ltd.

This book is written in a simple and easy-to-understand language to explain the fundamental concepts of the subject. The book presents the subject of EIPC in a comprehensive manner to the students at undergraduate level. This book not only covers the entire scope of the subject but also explains the philosophy of the

subject. This makes the understanding of the subject more clear and interesting. The book will be very useful not only to the students but also to the faculty members.

*Electrical Machines (Uptu)* Laxmi Publications, Ltd.

The world is experiencing an unprecedented period of change and growth through all the electronic and technological developments and everyone on the planet has been impacted. What was once 'science fiction', today it is a reality. This book explores the world of many of once unthinkable advancements by explaining current technologies in great detail. Each chapter focuses on a different aspect - Machine Vision, Pattern Analysis and Image Processing - Advanced Trends in Computational Intelligence and Data Analytics - Futuristic Communication Technologies - Disruptive Technologies for Future Sustainability. The chapters include the list of topics that spans all the areas of smart intelligent systems and computing such as: Data Mining with Soft Computing, Evolutionary Computing, Quantum Computing, Expert Systems, Next

Generation Communication, Blockchain and Trust Management, Intelligent Biometrics, Multi-Valued Logical Systems, Cloud Computing and security etc. An extensive list of bibliographic references at the end of each chapter guides the reader to probe further into application area of interest to him/her.

*Fundamentals of Electrical Engineering* Laxmi Publications, Ltd.

This book has been designed strictly according to the syllabus of U.P. Technical University, Lucknow, for the core subjects offered to the management students. The book provides a complete view of communication used in business and helps students develop effective communication skills. The book is segregated into ten chapters of which the first chapter deals with the basics of communication and its role in the business cycle. Some chapters detail communication of different types and its relationship with organization, and in technological evolution in the present day scenario. Other chapters describe correspondence and report writing,

presentation skills and how to tackle case studies.

*World List of Universities and Other Institutions of Higher Education S.*

Chand Publishing

The Revised Edition Of A Widely Used Book

Contains Several New

Topics To Make The

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Approach Followed

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Efficiencyemphasised. \*

Several Real Life Problems

Included To Illustrate The Practical Viability Of The

Systems Discussed. \*

Additional Examples,

Diagrams And Problems

Included In Each Chapter

For An Easier Grasp Of

The Subject.With All

These Features, This Book

Would Serve As A

Comprehensive Text For

Undergraduate

Mechanical Engineering

Students. Postgraduate

Students And Practising

Engineers Would Also Find

It Very Useful.