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Graph Theory with Applications to Engineering and Computer Science S. Chand Publishing

This book provides a comprehensive overview of this multi-disciplinary subject, which has interaction with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS), environmental geology, etc.

Elements of Mechanical.Engineering (PTU) John Wiley & Sons
Special topic volume on Fundamentals of Machine Design.

RF/Microwave Engineering and Applications in Energy Systems
Vikas Publishing House
Engineering Metrology and Measurements is a textbook designed for students of mechanical, production and allied disciplines to facilitate learning of various shop-floor measurement techniques and also understand the basics of mechanical measurements.

Surveying Vikas Publishing House
Strictly according to the New Syllabus of Gujarat Technology University,Ahmedabad (Common to All Branches of B.E. / B.Tech 1st year)

Basic Civil Engineering Technical Publications
In Computer Aided Engineering Drawing, the author draws upon his vast experience of teaching and presents a student friendly step-by-step demonstrative approach, similar to that of classroom teaching. Key Features:
* Use of updated B.I.S. conventions. * Incorporates standard assumptions in case of incomplete data by framing special problems. * Introduces various softwares for computer-aided engineering darwings. * Includes solved problems using different methods. * A concise summary at the end of each chapter for quick revision. * Includes solutions to difficult problems using 3-D diagrams. * Examination problems of VTU and other universities have been included in the exercise section for practice. Hints have been given to

solve the problems where necessary. * The complete book has been written with classroom teaching approach.

Engineering Graphics (GTU) New Age International

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.

A Textbook of Engineering Physics S. Chand Publishing

This professional treatise on engineering graphics emphasizes engineering geometry as the theoretical foundation for communication of design ideas with real world structures and products. It considers each theoretical notion of engineering geometry as a complex solution of direct- and inverse-problems of descriptive geometry and each solution of basic engineering problems presented is accompanied by construction of biunique two- and three-dimension models of geometrical images. The book explains the universal structure of formal algorithms of the solutions of positional, metric, and axonometric problems, as well as the solutions of problems of construction in developing a curvilinear surface. The book further characterizes and explains the added laws of projective connections to facilitate construction of geometrical images in any of eight octants. Laws of projective connections allow constructing the complex drawing of a geometrical image in the American system of measurement and the European system of measurement without errors and mistakes. The arrangement of projections of a geometrical image

on the complex drawing corresponds to an arrangement of views of a product in the projective drawing for the European system of measurement. The volume is ideal for engineers working on a range of design projects as well as for students of civil, structural, and industrial engineering and engineering design.

Qualitative Research Methods for the Social Sciences S. Chand Publishing
So far working stress method was used for the design of steel structures. Nowadays whole world is going for the limit state method which is more rational. Indian national code IS:800 for the design of steel structures was revised in the year 2007 incorporating limit state method. This book is aimed at training the students in using IS: 800 2007 for designing steel structures by limit state method. The author has explained the provisions of code in simple language and illustrated the design procedure with a large number of problems. It is hoped that all universities will soon adopt design of steel structures as per IS: 2007 and this book will serve as a good textbook. A sincere effort has been made to present design procedure using simple language, neat sketches and solved problems.

Digital Electronics OUP India

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.

Physics (Group 1) I. K. International Pvt Ltd

Effective from 2008-09 session, U.P.T.U. has introduced the subject of

manufacturing processes for first year engineering students of all streams. This textbook covers the entire course material in a distilled form.

Basic Electrical Engineering S. Chand Publishing

Many Advance in design,fabricationand construction of steel structures have taken place with the advancement of technology and globalization.Steel structures are used extensively in industrial structures in addition to bridges,tower and communication networks.steel cables of high tensile wires are also being used very extensively in the industry.

The Head Teachers Review Sybex

Object-oriented analysis and design (OOAD) has over the years, become a vast field, encompassing such diverse topics as design process and principles, documentation tools, refactoring, and design and architectural patterns. For most students the learning experience is incomplete without implementation. This new textbook provides a comprehensive introduction to OOAD. The salient points of its coverage are: • A sound footing on object-oriented concepts such as classes, objects, interfaces, inheritance, polymorphism, dynamic linking, etc. • A good introduction to the stage of requirements analysis. • Use of UML to document user requirements and design. • An extensive treatment of the design process. • Coverage of implementation issues. • Appropriate use of design and architectural patterns. • Introduction to the art and craft of refactoring. • Pointers to resources that further the reader's knowledge. All the main case-studies used for this book have been implemented by the authors using Java. The text is liberally peppered with snippets of code, which are short and fairly self-explanatory and easy to read. Familiarity with a Java-like syntax and a broad understanding of the structure of Java would be helpful in using the book to its full potential.

Basic Electrical Engineering S. Chand Publishing

Based on the latest edition of Engineering Graphics, the second edition of Principles of Engineering Graphics is a combination

textbook/workbook that provides students with a dynamic and up-to-date learning tool at an affordable price. The high quality illustrations and problems that made Engineering Graphics the definitive text in its field for over two decades have been incorporated in Principles of Engineering Graphics, Second Edition. Chapters on computer graphics cover the latest equipment and procedures in computer-aided drafting and design. Examples based on several of the most popular CAD software programs and many illustrations of computer-generated drawing are included as well. Principles of Engineering Graphics, Second Edition, consistently reflects CAD/CAM trends and the latest ANSI standards. Chapters on manufacturing processes, dimensioning, tolerancing, and threads and fasteners have been extensively reviewed and updated to ensure their conformity with the latest standards.* emphasizes technical sketching throughout and includes a chapter devoted to sketching that integrates the concept of views with freehand sketching - introducing multiview and pictorial drawing. c

Elements of Mechanical Engineering(GTU) S. Chand Publishing

This third edition has been revised to encompass the new AutoCAD release 10. New features covered include the user coordinate system, 3D meshes, multiple viewports and more.

Engineering Drawing (For JNtu) EduGorilla Publication

This book comprises of five units which covers the entire syllabus. Topics like principles of environmental science, environmental pollution, social issues like acid rain, global warming, etc are included. New developments like Green buildings and smart cities are also included. This book has been

written in a simple and lucid manner. Most of these topics are traditionally taught in environmental science and engineering in several universities and institutes. Hence this book will be useful for other universities as well. Figures and tables are incorporated wherever necessary to make the concept clearer. This book also contains short questions with answers and review questions. Case studies on various environmental issues have been included. Author hopes that this book will be useful for both students and faculty alike.

Engineering Physics (with Practicals) (GTU), 8th Edition S. Chand Publishing

The book is written for an undergraduate course on the Feedback Control Systems. It provides comprehensive explanation of theory and practice of control system engineering. It elaborates various aspects of time domain and frequency domain analysis and design of control systems. Each chapter starts with the background of the topic. Then it gives the conceptual knowledge about the topic dividing it in various sections and subsections. Each chapter provides the detailed explanation of the topic, practical examples and variety of solved problems. The explanations are given using very simple and lucid language. All the chapters are arranged in a specific sequence which helps to build the understanding of the subject in a logical fashion. The book starts with explaining the various types of control systems. Then it explains how to obtain the mathematical models of various types of systems such as electrical, mechanical, thermal and liquid level systems. Then the book includes good coverage of the block diagram and signal flow graph methods of representing the various systems and the

reduction methods to obtain simple system from the analysis point of view. The book further illustrates the steady state and transient analysis of control systems. The book covers the fundamental knowledge of controllers used in practice to optimize the performance of the systems. The book emphasizes the detailed analysis of second order systems as these systems are common in practice and higher order systems can be approximated as second order systems. The book teaches the concept of stability and time domain stability analysis using Routh-Hurwitz method and root locus method. It further explains the fundamentals of frequency domain analysis of the systems including co-relation between time domain and frequency domain. The book gives very simple techniques for stability analysis of the systems in the frequency domain, using Bode plot, Polar plot and Nyquist plot methods. It also explores the concepts of compensation and design of the control systems in time domain and frequency domain. The classical approach loses the importance of initial conditions in the systems. Thus, the book provides the detailed explanation of modern approach of analysis which is the state variable analysis of the systems including methods of finding the state transition matrix, solution of state equation and the concepts of controllability and observability. The variety of solved examples is the feature of this book which helps to inculcate the knowledge of the design and analysis of the control systems in the students. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

Engineering Graphics and Design KHANNA PUBLISHING HOUSE

EduGorilla Publication is a trusted name in the education sector, committed to the syllabus • Plenty of solved examples based on JNTU Hyd Exam empowering learners with high-quality study materials and resources. pattern

Specializing in competitive exams and academic support, EduGorilla provides comprehensive and well-structured content tailored to meet the needs of students across various streams and levels.

Manufacturing Processes S. Chand Publishing

The present book on Elements of Mechanical Engineering is meant for the engineering students of all branches at their first year level. It covers the new syllabus of Panjab Technical University, Jalandhar. However, it shall be useful to students of other Universities also. The book covers the basic principles of Thermodynamics, zeroth law of Thermodynamics and the concept of temperature in the first chapter.

Engineering Metrology and Measurements Tata McGraw-Hill

Education

This is a completely revised book in line with 'Outcome Based Education (OBE)' that is currently being followed by most universities. Also, the engineering drawings in the book have been prepared using the latest version of AutoCAD.

Engineering Drawing & Graphics Using Autocad, 2E - Gtu John Wiley & Sons

Engineering Drawing has been specifically designed and written to meet the requirements of the first year engineering students of JNTU Hyderabad. The study of engineering drawing builds the foundations of analytical capabilities for solving a wide variety of engineering problems and contains real-time applications. Student-friendly, lucid and comprehensive, this book adopts step-by-step instructions to explain and solve problems. With all the drawings prepared using AutoCAD software, this book would be a perfect reference for all engineering students. Key Features • Simplified diagrams to explain problems • Contains logical sequence of examples for easy learning • Previous years' university questions included • Complete coverage of