

Engineering Graphics Mahajan Publication

The book encompasses the basic understanding and procedures involved in mechanical, electrical and electronic workshops. All the manufacturing processes, such as casting, welding, forming and joining, are detailed in this book with various designs associated with each process. The advanced manufacturing processes, CNC machining, plastic moulding and glass cutting are some other non-conventional processes that are frequently been used in industries and are described in detail. The book also includes workshop sessional where experiments with procedural steps and results for each subject of manufacturing have been provided for better grasp of the subject by the student.

Basic Civil Engineering is designed to enrich the preliminary conceptual knowledge about civil engineering to the students of non-civil branches of engineering. The coverage includes materials for construction, building construction, basic surveying and other major topics like environmental engineering, geo-technical engineering, transport traffic and urban engineering, irrigation & water supply engineering and CAD.

2022-23 SSC JE Civil Engineering Chapter-wise Solved Papers

S. Chand's Physics, designed to serve as a textbook for students pursuing their engineering degree course, B.E. in Gujarat Technical University. The book is written with the singular objective of providing the students of GTU with a distinct source material as per the syllabus. The philosophy of presentation of the material in the book is based upon decades of classroom interaction of the authors. In each chapter, the fundamental concepts pertinent to the topic are highlighted and the in-between continuity is emphasized. Throughout the book attention is given to the proper presentation of concepts and practical applications are cited to highlight the engineering aspects. A number of problems are solved. New problems are included in order to expedite the learning process of students of all hues and to improve their academic performance. The fundamental concepts are emphasized in each chapter and the details are developed in an easy-to-follow style. Each chapter is divided into smaller parts and sub-headings are provided to make the reading a pleasant journey from one interesting topic to another

Important topic:

Engineering Drawing And Graphics

Computational Methodologies for Electrical and Electronics Engineers

Fundamentals of Engineering Drawing

Applied Strength of Materials for Engineering Technology

Fundamentals of Geometric Dimensioning and Tolerancing

2022-23 RRB JE Electronics & Allied Engineering Previous Solved Papers

Artificial intelligence has been applied to many areas of science and technology, including the power and energy sector. Renewable energy in particular has experienced the tremendous positive impact of these developments. With the recent evolution of smart energy technologies, engineers and scientists working in this sector need an exhaustive source of current knowledge to effectively cater to the energy needs of citizens of developing countries. Computational Methodologies for Electrical and Electronics Engineers is a collection of innovative research that provides a complete insight and overview of the application of intelligent computational techniques in power and energy.

Featuring research on a wide range of topics such as artificial neural networks, smart grids, and soft computing, this book is ideally designed for programmers, engineers, technicians, ecologists, entrepreneurs, researchers, academicians, and students.

2022-23 SSC JE Civil Engineering Exam Year-wise Previous Solved Papers

2020-21 UPPCL/UPRVUNL ASSISTANT ENGINEER ELECTRICAL ENGINEERING SOLVED PAPERS

Understanding Engineering Mathematics

Electrical Engineering

Engineering Graphics and Design

An Open Introduction

Civil & Allied Engineering

This algebra-based text is designed specifically for Engineering Technology students, using both SI and US Customary units. All example problems are fully worked out with unit conversions. Unlike most textbooks, this one is updated each semester using student comments, with an average of 80 changes per edition.

A Txtbook of Engineering Physics is written with two distinct objectives: to provide a single source of information for engineering undergraduates and provide them a solid base in physics. Successive editions of the book incorporated topic as required by students pursuing their studies in various universities. In this new edition the contents are fine-tuned, modernized and

2021-22 RRVUNL JE/AE Mechanical Engineering Solved Papers

'Programming .NET Components', second edition, updated to cover .NET 2.0., introduces the Microsoft .NET Framework for building components on Windows platforms. From its many lessons, tips, and guidelines, readers will learn how to use the .NET Framework to program reusable, maintainable, and robust components.

Professional Ethics and Human Values

Design and Build .NET Applications Using Component-Oriented Programming

2022-23 SSC JE Civil Engineering

Physics (Group 1)

Machine Drawing

2020-21 IES/ESE GENERAL STUDIES & ENGINEERING APTITUDE CIVIL ENGINEERING SOLVED PAPERS

2021-22 Electrical Engineering Solved Papers

The science and study of functionally graded materials (FGMs) have intrigued researchers over the last few decades. Their application has the capability to produce parts with unmatched properties which are virtually impossible to obtain via conventional material routes. This book addresses various FGM aspects and provides a relevant, high-quality, and comprehensive data source. The book covers trends, process classification on various bases, physical processes involved, structure, properties, applications, advantages, and limitations. Emerging trends in the field are discussed in detail and advancements are thoroughly reviewed and presented to broaden the spectrum of FGM applications. This reference book will be of interest to scholars, researchers, academicians, industry practitioners, government labs, libraries, and anyone interested in the area of materials engineering.

2022-23 RRB JE Civil & Allied Engineering Chapter-wise Solved Papers

Programming .NET Components

Basic Electrical Engineering

Engineering Graphics for the First Year Student (GTU)

GENERAL STUDIES & ENGINEERING APTITUDE (2020-21 IES/ESE)

Product Design and Development

All Competitive AE/JE Exam Civil Engineering Capsule

FUNDAMENTALS OF GEOMETRIC DIMENSIONING AND TOLERANCING 3E is a unique book that meets the needs of your students in industrial technology, CAD, engineering technology, and manufacturing technology. This book clearly organizes geometric dimensioning and tolerancing fundamentals into small, logical units for step-by-step understanding. Measurable performance objectives help you and your students assess their progress. Discussion questions promote interaction and higher-order thinking, and practice problems ensure thorough understanding of the concepts presented. FUNDAMENTALS OF GEOMETRIC DIMENSIONING AND TOLERANCING 3E defines and fully encompasses the revised ANSI/ASME Y14.5M-2009 to keep your students current on these important industry standards. This book is cited by top industry professionals as meeting the highest standards for a GDT book! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

For All AE/JE Exams Mechanical Engineering Capsule

All India State PSC AE/PSU Electronics & Communication Engineering Vol.-2 Chapter-wise Solved Papers

Photophysics and Nanophysics in Therapeutics

A Textbook of Engineering Physics

Computer Graphics

Workshop/Manufacturing Practices

CIVIL ENGINEERING

IES/ESE GENERAL STUDIES AND ENGINEERING MECHANICAL ENGINEERING SOLVED PAPERS

Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also investigation activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete changes, and to view the free electronic version of the text, visit the book's website at discrete.openmathbooks.org

UPPSC AE MECHANICAL ENGINEERING PRACTICE WORK BOOK

This book is designed based on revised syllabus of Gujarat Technological University, Gujarat (AICTE model curriculum) for under-graduate (B.Tech/BE) students of all branches, those who study Basic Electrical Engineering as one of the subject in their curriculum. The primary goal of this book is to establish a firm understanding of the basic laws of Electric Circuits,

Network Theorems, Resonance, Three-phase circuits, Transformers, Electrical Machines and Electrical Installation.

Engineering Graphics

Mechanical Engineering Capsule

Civil Engineering Capsule

Autocad 2014 for Engineers Volume 1 (WBSCTE)

GENERAL STUDIES AND ENGINEERING (JE/ESE)

This book is developed from the ground up to cover the syllabus announced by the AICTE in its latest model curriculum. It provides insights into traditional engineering graphics as well as treats of the subject using software AutoCAD, CATIA and ANSYS, through simple and well-explained examples along with an ample number of unsolved problems and MCQs. Screenshots have been provided after every step, making it simple to learn how to use the software for a specific solution. It targets all academics—students, and researchers as well as industry practitioners and engineers, involved in engineering drafting. The book begins by introducing the role and application of engineering drawing and describing such basics as the types of drawing sheets, lines, planes, quadrants and angles of projection, and national and international drawing standards which it calls the basic grammar for engineering graphics as a language. The book introduces the software—AutoCAD, CATIA and ANSYS emphasizing on their specific features. Equipping the reader with this ground knowledge it comes to the nitty-gritty of drawing various curves, projection of points in separate quadrants, projection of straight lines in various positions, various projections of plane surfaces, and solids like prism, pyramid, cylinder and cone. It then goes further to sections of solids wherein the placements of the cutting planes have been explained in various positions like perpendicular, parallel, and inclined to HP and VP. Having thus trained the drafter in handling the drafting tools the book graduates to more complicated material like fusion of one solid shape into another. It explores various types of them so that development of lateral surfaces of solids can be made and depicted isometrically and projected orthographically. Lastly, the book describes 3D modelling using CATIA, where solid models are drawn, and how 2D analysis is done using ANSYS.

UPPCL/UPRVUNL AE CIVIL ENGINEERING SOLVED PAPERS

Learning to use a CAD system is compulsory for engineers and designers. It is necessary to begin with the basic alphabets of AutoCAD and learn how to use it correctly and effectively through continuous practice. CAD systems create designs using basic geometric entities and many constructions used in technical designs. Universities, engineering colleges, polytechnics and ITIs of our country have also modified their syllabi according to industry needs and have introduced 'AutoCAD' as an important sessional subject. As per AICTE guided syllabus for diploma level of engineering, AutoCAD 2D and 3D have been introduced in the subject 'Professional Practice-I' in 3rd semester and 'Professional Practice-II' in 4th semester in most of the branches (mechanical, civil, automobile, architecture, electrical, etc.). This book will be invaluable for the students of Professional Practice-I. Salient Features • Use of the latest version of software AutoCAD 2014 • Easy for those using earlier version of AutoCAD in which ribbon concept was not included • Variety of worked-out examples as per AICTE recommended syllabus • Step-by-step command prompts • Detailed applications of each command with explanation • Examples for every topic • Command sequences given for every example for the beginner Treating such contemporary design and development issues as identifying customer needs, design for manufacturing, prototyping, and industrial design, Product Design and Development, 3/e, by Ulrich and Eppinger presents in a clear and detailed way a set of product development techniques aimed at bringing together the marketing, design, and manufacturing functions of the enterprise. The integrative methods in the book facilitate problem solving and decision making among people with different disciplinary perspectives, reflecting the current industry trend to perform product design and development in cross-functional teams.

Civil Engineering Exam

Electronics & Communication Engineering VOLUME-1

Electronics & Communication Engineering Vol-2

Indian Books in Print

Fabrication, Properties, Applications, and Advancements

Engineering Graphics and Design KHANNA PUBLISHING HOUSE

Hence it is essential for all engineers to achieve the capability of reading, preparing and interpreting drawings. The aim of the book is to provide a well-built foundation of engineering drawing to the beginners and to provide a scope to have a brushing up facility for the practicing engineers. Keeping these two basic objectives in view, a step-by-step approach has been adopted - starting from drawing instruments, sheets, scales, curves, etc. The guidelines as laid in different codes published by Bureau of Indian Standard are mentioned and followed. Involved association of the authors with the subject for a pretty long time in various capacities like teacher, examiner, paper-setter, and head-examiner has enriched the book in terms of content and its approach of dealing. Sufficient number of worked out examples and multiple choice questions are provided to have a holistic view of the subject.

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.

Engineering Graphics, in its 13th year, has been succinctly revised for the Engineering students of 1st year of Gujarat Technological University, Ahmedabad Beginning with the units, dimensions and standard, this book discusses the measurement and measurement errors. Then, it goes on to discuss electronics

equipment, measurements of low resistance and A.C. bridges. Moreover, the book deals with the cathode ray oscilloscopes. Further, it describes various instrument calibration. Finally, the book deals with recorders and plotters.

Discrete Mathematics

Mechanical Engineering

2020-21 UPPCL/UPRVUNL ASSISTANT ENGINEER

Engineering Graphics & Design: With Demonstrations of AutoCAD, CATIA & ANSYS

Basic Civil Engineering

About the Book: Written by three distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AME examination, incorporates the latest st

All India PSC AE/PSU Electronics & Communication Engineering VOLUME-1 Previous Years Chapter-wise and Sub-topic-wise Objective Solved Papers

Photophysics and Nanophysics in Therapeutics explores the latest advances and applications of phototherapy and nanotherapy, covering the application of light, radiation, and nanotechnology in therapeutics, along with the fundamental principles of physics in these areas. Consisting of two parts, the book first features a range of chapters covering phototherapeutics, from the fundamentals of photodynamic therapy (PDT) to applications such as cancer treatment and

advances in radiotherapy, applied physics in cancer radiotherapy treatment, and the role of carbon ion beam therapy. Other sections cover nanotherapeutics, potential applications and challenges, and nanotherapy for drug delivery to the brain. Final chapters delve into nanotechnology in the diagnosis and treatment of cancers, the role of nanocarriers for HIV treatment, nanoparticles for rheumatoid arthritis treatment, peptide functionalized nanomaterials as microbial

sensors, and therapeutic nanomgents. • Evaluates the latest developments in the fields of phototherapy and nanotherapy • Investigates the fundamental physics behind these technologies • Explores therapeutic applications across a range of diseases, such as skin disorders, cancer, and neurological conditions • Includes case studies that illustrate research in practice • Considers challenges and future perspectives

This Book Provides A Systematic Account Of The Basic Principles Involved In Engineering Drawing: The Treatment Is Based On The First Angle Projection.Salient Features: • Nomenclature Explained In Detail. • 555 Self-Explanatory Solved University Problems. • Step-By-Step Procedures. • Side-By-Side Simplified Drawings. • Adopts B.I.S. And I.S.O. Standards. • 1200 Questions Included For Self-Test.The Book Would Serve As An Excellent Text For B.E., B.Tech.,

B.Sc. (Ap. Science) Degree And Diploma Students Of Engineering. Amie Students Would Also Find It Extremely Useful.

MECHANICAL ENGINEERING (UPPSC AE)

Functionally Graded Materials (FGMs)

Electronics & Allied Engineering

Studying engineering, whether it is mechanical, electrical or civil relies heavily on an understanding of mathematics. This new textbook clearly demonstrates the relevance of mathematical principles and shows how to apply them to solve real-life engineering problems. It deliberately starts at an elementary level so that students who are starting from a low knowledge base will be able to quickly get up to the level required. Students who have not studied mathematics for some time will find this an excellent refresher. Each chapter starts with the basics before gently increasing in complexity. A full outline of essential definitions, formulae, laws and procedures are introduced before real world situations, practicals and problem solving demonstrate how the theory is applied. Focusing on learning through practice, it contains examples, supported by 1,600 worked problems and 3,000 further problems contained within exercises throughout the text. In addition, 34 revision tests are included at regular intervals. An interactive companion website is also provided containing 2,750 further problems with worked solutions and instructor materials

This book is written for the student who wishes to learn not only the concepts of computer graphics but also its meaningful implementation. It is a comprehensive text on Computer Graphics and is appropriate for an introductory course in the subject.