

## Jntu Anantapur Mechanical Engineering Spectrum

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Applied Thermodynamics Laxmi Publications, Ltd.  
Designed for a one-semester course in Finite Element Method, this compact and well-organized text presents FEM as a tool to find approximate solutions to differential equations. This provides the student a better perspective on the technique and its wide range of applications. This approach reflects the current trend as the present-day applications range from structures to biomechanics to electromagnetics, unlike in conventional texts that view FEM primarily as an extension of matrix methods of structural analysis. After an introduction and a review of mathematical preliminaries, the book gives a detailed discussion on FEM as a technique for solving differential equations and variational formulation of FEM. This is followed by a lucid presentation of one-dimensional and two-dimensional finite elements and finite element formulation for dynamics. The book concludes with some case studies that focus on industrial problems and Appendices that include mini-project topics based on near-real-life problems. Postgraduate/Senior undergraduate students of civil, mechanical and aeronautical engineering will find this text extremely useful; it will also appeal to the

practising engineers and the teaching community.

Gas Turbines and Jet Propulsion Laxmi Publications  
Versailles is the story of an expansive spirit locked in a pretty body and an impossible moment in history. As the novel begins, fourteen-year-old Marie Antoinette is traveling from Austria to France to meet her fiancé, the mild, abstracted Louis. He will become the sixteenth Louis to reign in France, and Antoinette will be his queen, hemmed in by towering hairdos, the xenophobic suspicion of her subjects, the misogyny of her detractors, the larger-than-life figures of Mirabeau, Du Barry, Robespierre, and the manifold twists and turns of the palace she calls home. The novel moves from room to room, from garden to fountain, occasionally breaking into playlets in which we glimpse characters struggling to mind their step in the great ballroom of the world. Driving our tour is the relentless engine of time, that friend to youth, for whom anything is possible. Antoinette gives birth to four children, two of whom will outlive her; she falls in love; she dies at the guillotine. A meditation on time and the soul's true journey within it, Versailles is at once wittily entertaining and astonishingly wise.

A TEXTBOOK OF ENGINEERING CHEMISTRY New Age International

Engineering Mathematics-I

Fibrous Concrete CRC Press

Engineering Mathematics-II

A Text Book of Automobile Engineering Engineering Physics (For 1st Year of JNTU, Anantapur)

Probability and Statistics & Complex Variables

Switching Theory and Logic Design Newnes

The Present Book Is Not The Revised Version, A Patch Work Of The Old Book. It Is Originally Designed To Meet The Specific Needs Of The New Syllabus Of Jntu For The Students Of B.Tech. In Other Words It Is The Spontaneous Overflow Of Authors Experience With The Syllabus. Generating And Developing Scientific And Logical Approach Towards The Subject, Taking Into Consideration The Level Of Learners. \* Discussing The Subject Matter Adequately, Comprehensively And Thoroughly. \* Discussing Very Large Number Of Illustrations Concerning Practical Problems In Economics, Accountancy And Financial Analysis. Sufficient Diagrams, Graphs And Flow Charts Are Given To Substantiate The Subject Matter. \* Summarising Every Lesson Under The Heading Summarised View Of The Lesson, So That Learners Could Make A Revision At A Glance. \* Classifying Assignments As Multiple Choice Questions For On Line Examination, Evaluation At A Glance And Self Assessment Questions. \* Mentioning Questions From Previous Managerial Economics And Principles Of Accountancy (Mepa) And Current Managerial Economics And Financial Analysis.

ENGINEERING GRAPHICS FOR DEGREE S. Chand Publishing  
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: \* Nomography 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.

Environmental Studies Laxmi Publications, Ltd.

Optics | Crystal Structures And X – Ray Diffraction | Principles Of Quantum Mechanics And Electron Theory | Semiconductors | Magnetic Properties | Dielectric

Properties | Superconductivity | Laser | Fiber Optics  
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Engineering Physics (For 1st Year of JNTU, Anantapur)  
Pearson Education India

"Speaking About Science : A Manual for Creating Clear Presentations is essential reading for anyone who presents data at meetings and conferences. Based on the curriculum that authors have developed for their public speaking courses, the book provides the practical tools all speakers need to create clear and compelling presentations for any audience."--BOOK JACKET.

Programming in C Houghton Mifflin Harcourt

The textbook has been designed for the undergraduate students of Electrical and Electronics, Electronics and Communication, Computer Science, Electronics and Instrumentation, Information Technology and Electronics and Control Engineering. This book provides an accessible and practical treatment to many combinational and sequential circuits. Each topic has been discussed in sufficient depth to expose the fundamental principles, concepts, techniques which are necessary to understand the subject thoroughly. Salient Features of the Book Numerous worked-out examples highlight the need for intelligent approximation to achieve more accuracy in lesser time. Short answer questions at the end of each chapter help in easy understanding of the subject. Large number of review questions and unsolved problems to develop a clear understanding of basic principles. Previous GATE paper solutions are the unique feature of this book.

Probability and Statistics & Complex Variables Springer  
Science & Business Media

Computer Fundamentals and Programming in C 2e is designed to serve as a textbook for students of engineering (BE/B Tech), computer applications (BCA/MCA), and computer science (B Sc) for an introductory core course on computers and programming in C.

Engineering Mathematics-II S. Chand Publishing

Engineering Practices Lab Manual covers all the basic engineering lab practices in the Civil, Mechanical, Electrical and Electronics areas. The manual details the various tools to be used and exercises to be practiced in the application of engineering practices in each field.

OUP India

In this book, how to solve such type equations has been elaborately described. In this book, vector differential calculus is considered, which extends the basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to

vector functions in a simple and natural way. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the

Theory of Machines Firewall Media

IT Essentials: PC Hardware and Software Lab Manual, Fourth Edition Cisco Networking Academy The only authorized Lab Manual for the Cisco Networking Academy IT Essentials v4.1 course IT Essentials: PC Hardware and Software Lab Manual is a supplemental book that helps the students in the Cisco® Networking Academy course prepare to take the CompTIA® A+ exams (based on the 2009 objectives). The hands-on labs, worksheets, and class discussions from the course are printed within this book to practice performing tasks that will help you become a successful PC technician. By reading and completing this book, you have the opportunity to review all key concepts that the CompTIA exams cover and reinforce those concepts with hands-on exercises. Related titles IT Essentials: PC Hardware and Software Companion Guide, Fourth Edition ISBN-10: 1-58713-263-X ISBN-13:

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Speaking about Science Technical Publications

Beginning with an overview of the basic concepts of computers, the book provides an exhaustive coverage of C programming constructs. It then focuses on arrays, strings, functions, pointers, user-defined data types, and files. In addition, the book also provides a chapter on linked lists - a popular data structure - and different operations that can be performed on such lists. Students will find this book an excellent companion for self-study owing to its easy-to-understand approach with plenty of programs complete with source codes, sample outputs, and test cases.

Differential Equations and Vector Calculus Cambridge  
University Press

Intended as a textbook for "applied" or engineering thermodynamics, or as a reference for practicing engineers, the book uses extensive in-text, solved examples and computer simulations to cover the basic properties of thermodynamics. Pure substances, the first and second laws, gases, psychrometrics, the vapor, gas and refrigeration cycles, heat transfer, compressible flow, chemical reactions, fuels, and more are presented in detail and enhanced with practical applications. This version presents the material using SI Units and has ample material on SI conversion, steam tables, and a Mollier diagram. A CD-ROM, included with the print version of the text,

includes a fully functional version of QuickField (widely used in industry), as well as numerous demonstrations and simulations with MATLAB, and other third party software.

TEXTBOOK OF FINITE ELEMENT ANALYSIS S. Chand  
Publishing

A comprehensive text based on the results of a scientific analysis of the communication needs of professionals.

Challenges and Strategies for Sustainable Energy, Efficiency and Environment Vikas Publishing House

Engineering Physics (For 1st Year of JNTU, Anantapur) S.  
Chand Publishing

Basic Digital Electronics S. Chand Publishing

In the four previous editions the author presented a text firmly grounded in the mathematics that engineers and scientists must understand and know how to use. Tapping into decades of teaching at the US Navy Academy and the US Military Academy and serving for twenty-five years at (NASA) Goddard Space Flight, he combines a teaching and practical experience that is rare among authors of advanced engineering mathematics books. This edition offers a smaller, easier to read, and useful version of this classic textbook. While competing textbooks continue to grow, the book presents a slimmer, more concise option. Instructors and students alike are rejecting the encyclopedic tome with its higher and higher price aimed at undergraduates. To assist in the choice of topics included in this new edition, the author reviewed the syllabi of various engineering mathematics courses that are taught at a wide variety of schools. Due to time constraints an instructor can select perhaps three to four topics from the book, the most likely being ordinary differential equations, Laplace transforms, Fourier series and separation of variables to solve the wave, heat, or Laplace's equation. Laplace transforms are occasionally replaced by linear algebra or vector calculus. Sturm-Liouville problem and special functions (Legendre and Bessel functions) are included for completeness. Topics such as z-transforms and complex variables are now offered in a companion book, Advanced Engineering Mathematics: A Second Course by the same author. MATLAB is still employed to reinforce the concepts that are taught. Of course, this Edition continues to offer a wealth of examples and applications from the scientific and engineering literature, a highlight of previous editions. Worked solutions are given in the back of the book.

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Engineering Mathematics-I Jones & Bartlett Learning  
A Snap Shot Oriented Treatise with Live Engineering Examples.  
Each chapter is is supplemented with concept oriented questions with  
answers and explanations. Some practical life problems from  
Education, business are included.