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Basic Electrical Engineering V. N. Mittle 1990

How Much Land Does A Man Need? Leo Tolstoy 2015-02-26 'Although he feared death, he could not stop. 'If I stopped now, after coming all this way - well, they'd call me an idiot!' A pair of short stories about greed, charity, life and death from one of Russia's most influential writers and thinkers. Introducing Little Black Classics: 80 books for Penguin's 80th birthday. Little Black Classics celebrate the huge range and diversity of Penguin Classics, with books from around the world and across many centuries. They take us from a balloon ride over Victorian London to a garden of blossom in Japan, from Tierra del Fuego to 16th-century California and the Russian steppe. Here are stories lyrical and savage; poems epic and intimate; essays satirical and inspirational; and ideas that have shaped the lives of millions. Leo Tolstoy (1828-1910). Tolstoy's works available in Penguin Classics are Anna Karenina, War and Peace, Childhood, Boyhood, Youth, The Cossacks and Other Stories, The Kreutzer Sonata and Other Stories, What is art?, Resurrection, The Death of Ivan Ilyich and Other Stories, Master and Man and Other Stories, How Much Land Does A Man Need? & Other Stories, A Confession and Other Religious Writings and Last steps: The Late Writings of Leo Tolstoy.

Advanced Engineering Mathematics Michael Greenberg 2013-09-20 Appropriate for one- or two-semester Advanced Engineering Mathematics courses in departments of Mathematics and Engineering. This clear, pedagogically rich book develops a strong understanding of the mathematical principles and practices that today's engineers and scientists need to know. Equally effective as either a textbook or reference manual, it approaches mathematical concepts from a practical-use perspective making physical applications more vivid and substantial. Its comprehensive instructional framework supports a conversational, down-to-earth narrative style offering easy accessibility and frequent opportunities for application and reinforcement.

Communication Skills SANGEETA SHARMA 2009-03-18 In the era of information technology, organizations seek employees who have excellent communication skills. The advantage is for the individuals who, with their excellent communicative ability, are able to meet the challenges of the professional world through diverse paths such as writing, speaking, reading, and listening. This comprehensive and student friendly book dwells on various aspects of technical communication that students of science and engineering should be familiar with.

Divided into two parts, Part A of the text describes in detail the planning, designing and drafting of documents for a broad range of situations and applications. The text explores the types of business letters reflecting current practices, and different techniques of drafting them. Since, in the professional settings, executives have to work in teams, the book explains various causes of communication breakdown and ways to overcome them. A separate chapter is devoted to Advertising. Part B elaborates on Group Communication taking into consideration the collective and individual requirements. This part also includes individual chapters on Effective Presentation, Non-Verbal Cues, Speeches, Interviews, and Negotiation Skills so as to orient young professionals towards new challenges. This compact book is intended primarily as a text for undergraduate students of engineering and science. Besides, students of business management would also find the book immensely valuable. In addition, the text would be a handy reference for practicing professionals who wish to hone their communication skills for achieving better results and should prove extremely useful for those involved in everyday communication.

Technical Communication Meenakshi Raman 2015 The text material has been restructured to provide a more balanced and exhaustive coverage of the subject. The text discusses the core concepts of technical communication and explains them with the help of numerous examples and practice exercises. The book also provides support for soft skills laboratory sessions through a companion CD. With its in-depth coverage and practical orientation, the book is useful not only for students, but also as a reference material for corporate training programmes.

Engineering Optimization S. S. Rao 2000 A Rigorous Mathematical Approach To Identifying A Set Of Design Alternatives And Selecting The Best Candidate From Within That Set, Engineering Optimization Was Developed As A Means Of Helping Engineers To Design Systems That Are Both More Efficient And Less Expensive And To Develop New Ways Of Improving The Performance Of Existing Systems. Thanks To The Breathtaking Growth In Computer Technology That Has Occurred Over The Past Decade, Optimization Techniques Can Now Be Used To Find Creative Solutions To Larger, More Complex Problems Than Ever Before. As A Consequence, Optimization Is Now Viewed As An Indispensable Tool Of The Trade For Engineers Working In Many Different Industries, Especially The Aerospace, Automotive, Chemical, Electrical, And Manufacturing Industries. In Engineering Optimization, Professor Singiresu S. Rao Provides An Application-Oriented Presentation Of The Full Array Of Classical And Newly Developed Optimization Techniques Now Being Used By Engineers In A Wide Range Of Industries. Essential Proofs And Explanations Of The Various Techniques Are Given In A Straightforward, User-Friendly Manner, And Each Method Is Copiously Illustrated With Real-World Examples That Demonstrate How To Maximize Desired Benefits While Minimizing Negative Aspects Of Project Design. Comprehensive, Authoritative, Up-To-Date, Engineering Optimization Provides In-Depth Coverage Of Linear And Nonlinear Programming, Dynamic Programming, Integer Programming, And Stochastic Programming Techniques As Well As Several Breakthrough Methods, Including Genetic Algorithms, Simulated Annealing, And Neural Network-Based And Fuzzy Optimization Techniques. Designed To Function Equally Well As Either A Professional Reference Or A Graduate-Level Text, Engineering Optimization Features Many Solved Problems Taken From Several Engineering Fields, As Well As Review Questions, Important Figures, And Helpful References. Engineering Optimization Is A Valuable Working Resource For Engineers Employed In Practically All Technological Industries. It Is Also A Superior Didactic Tool For Graduate Students Of Mechanical, Civil, Electrical, Chemical And Aerospace Engineering.

The Definite Integral Grigorij Michajlovič Fichtengol'c 1973

Engineering Mathematics HK Dass et. al Engineering Mathematics (Conventional and Objective Type) completely covers the subject of Engineering Mathematics for engineering students (as per AICTE) as well as engineering entrance exams such as GATE, IES, IAS and Engineering Services Exams. Though a first edition, the book is enriched by 50 years of Academics and professional experience of the Author(s) and the experience of more than 85 published books.

Discrete Mathematics with Applications Thomas Koshy 2004-01-19 This approachable text studies discrete objects and the relationships that bind them. It helps students understand and apply the power of discrete math to digital computer systems and other modern applications. It provides excellent preparation for courses in linear algebra, number theory, and modern/abstract algebra and for computer science courses in data structures, algorithms, programming languages, compilers, databases, and computation. * Covers all recommended topics in a self-contained, comprehensive, and understandable format for students and new professionals * Emphasizes problem-solving techniques, pattern recognition, conjecturing, induction, applications of varying nature, proof techniques, algorithm development and correctness, and numeric computations * Weaves numerous applications into the text * Helps students learn by doing with a wealth of examples and exercises: - 560 examples worked out in detail - More than 3,700 exercises - More than 150 computer assignments - More than 600 writing projects * Includes chapter summaries of important vocabulary, formulas, and properties, plus the chapter review exercises * Features interesting anecdotes and biographies of 60 mathematicians and computer scientists * Instructor's Manual available for adopters * Student Solutions Manual available separately for purchase (ISBN: 0124211828)

Engineering Mathematics - II: For RTU Babu Ram Engineering Mathematics-II: For RTU is a highly readable and example-driven book that covers all the topics prescribed by Rajasthan Technical University to students of Engineering Mathematics in their second semester. The logic behind each problem is explained with the help of lucid theory to enhance the understanding of the various mathematical concepts and their applications in real life. The inclusion of solved university question papers adds further value to the book.

A TEXTBOOK OF ENGINEERING CHEMISTRY SYAMALA SUNDAR DARA 2008 Any good text book, particularly that in the fast changing fields such as engineering & technology, is not only expected to cater to the current curricular requirements of various institutions but also should provide a glimpse towards the latest developments in the concerned subject and the relevant disciplines. It should guide the periodic review and updating of the curriculum.

Computer Programming and IT: For RTU ITL 2011 Computer Programming and IT: For RTU is a student-friendly, practical and example-driven book that gives students a solid foundation in the basics of computer programming and information technology. The contents have been tailored to exactly correspond with the requirements of the core course, Computer Programming and IT, offered to the students of Rajasthan Technical University during their first semester. A rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students.

Engineering Mathematics-II: For WBUT

Chemical Engineering III Jiatao Zhang 2013-11-29 Chemical Engineering III includes the proceedings of the 3rd SREE Conference on Chemical Engineering (CCE 2013, Hong Kong, 28-29 December 2013) and the 2nd SREE Workshop on Energy, Environment and Engineering (WEEE 2013, which was a part of CCE 2013). The contributions discuss current practical challenges and solutions in Chemical Engineering, and

Engineering Problems William Macgregor Wallace 1914

An Integrated Course In Electrical Engineering (3rd Edition) J.B. Gupta 2009

Fundamentals of Electrical Drives G. K. Dubey 2002-05 Encouraged by the response to the first edition and to keep pace with recent developments, Fundamentals of Electrical Drives, Second Edition incorporates greater details on semi-conductor controlled drives, includes coverage of permanent magnet AC motor drives and switched reluctance motor drives, and highlights new trends in drive technology. Contents were chosen to satisfy the changing needs of the industry and provide the appropriate coverage of modern and conventional drives. With the large number of examples, problems, and solutions provided, Fundamentals of Electrical Drives, Second Edition will continue to be a useful reference for practicing engineers and for those preparing for Engineering Service Examinations.

Introduction to Engineering Materials Vernon John 1992 The first edition of this highly successful text aimed, 'to deal with the basic principles of materials science in a simply yet meaningful manner'. The second edition broadened the scope to incorporate the higher years of a degree course and included many more worked examples. This new third edition remains firmly targetted at the undergraduate market, and is comprised of five main sections: Materials Science, Engineering Materials, Forming Processes, Behaviour in Service and Property and Evaluation Tests, resulting in 32 chapters (as compared to 17 in the 2nd edition). The numbers of worked examples have been reduced, due to the publication of John's Work Out: Engineering Materials which is recommended to be used alongside the main text and is comprised mainly of worked examples and problems.

Higher Engineering Mathematics 40th Edition B S Grewal

A Text Book of Engineering Mathematics Rajesh Pandey 2009-01-01

Solution Manual to Engineering Mathematics N. P. Bali 2010

Introduction to Engineering Mathematics Vol-1 (GBTU) H K Dass For B.E./B.Tech. / B.Arch. Students for First Semester of all Engineering Colleges of Maha Maya Technical University, Noida and Gautam Buddha Technical University, Lucknow

A Textbook of Engineering Mathematics (For First Year ,Anna University) N.P. Bali 2009-01-01

The Night Train at Deoli Ruskin Bond 2016-04-01 An enchanting collection of stories from the heartland of India Ruskin Bond's simple characters, living amidst the lush forests of the Himalayan foothills, are remarkable for their quiet heroism, courage and grace, and age-old values of honesty and fidelity. Residents of nondescript villages and towns, they lead lives that are touched by natural beauty as well as suffering—the loss of a loved parent, unfulfilled

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dreams, natural calamities, ghostly visitations, a respected teacher turned crooked, strangers who make a nuisance of themselves—which only reinforces their abiding faith in God, family and neighbour. Told in Bond's distinctive style, these stories are a magnificent evocation of an India that may be fast disappearing.

UNESCO Science Report UNESCO 2021-06-18

ENGLISH LANGUAGE LABORATORIES NIRA KONAR 2011-07-30 Today, acquiring English language skills has become so essential, especially for those who are looking for new jobs in reputed organizations as well as for the practising professionals. Many engineering students, even though they have adequate knowledge of their subject, are unable to express themselves well in English. Taking this into account, engineering colleges/institutes have introduced exclusive English Language Laboratories where students are drilled in the practical aspects of the English language. This compact and comprehensive book is a step-by-step practical guide to students, telling them how to prepare technical reports and how to acquire the basic communication skills—listening, speaking, reading and writing. The book deals with conversation, situational dialogues and role plays, and Group Discussions (GDs). It also gives detailed discussion about Interviews—step-by-step preparation, practical and psychological preparation, the dos and don'ts for interview—besides dealing with different kinds of interviews: telephonic, videoconferencing, and others. In addition, the text stresses the importance of researching the organization, and salary negotiations. Finally, the book shows the students how to make powerpoint presentations (PPTs), the structure of presentation and using audio visuals. This activity based, skill-oriented, learner centred book is designed according to the WBUT syllabus on Technical Report Writing and Language Laboratory Practice for the B.Tech. students. However, it would be equally useful for B.Tech./B.E. students across the country. **DISTINGUISHING FEATURES :** A practical and student friendly text, the stress being on the functional aspects of the language and various activities for acquiring the language. Gives the Methodology of conducting activities such as GDs, Interviews and Presentation. Provides model GD topics and the step-by-step process of making PPTs. Clearly spells out all the details, right from preparing a good job application, researching the company (including its financial health), to preparing the job portfolio, to wearing the proper dress, handling questions, and negotiating salary. Provides an extensive list of probable questions along with their answers to prepare students for mock interviews. Also gives well-crafted questions at the end of each lesson.

Readiness Level of Engineering Freshman Students in College Physics Liberty Gay Manalo 2016-08-25 Research Paper (postgraduate) from the year 2015 in the subject Guidebooks - School, Education, Pedagogy, Rizal Technological University, language: English, abstract: This study aims to find out the readiness level of engineering freshman students in college physics at Rizal Technological University of the academic year 2013-2014. The descriptive method through correlational survey technique was used in the study. Percentage, analysis of variance and spearman rank correlation coefficient was used to analyze the data and the readiness level of the respondents was categorized based on DepEd Order No. 73, 2012. Results of the study showed the level of proficiency of the respondents in high school physics is proficient, developing in college algebra, plane and spherical trigonometry and in Hewitt's basic content in physics. No significant variations in the college physics performance of respondents when grouped according to profile variables. A negative correlation between the respondents' performances in Hewitt's Basic Content Physics Test and a positive

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correlation in college algebra. The positive correlation between the respondents' performances in Hewitt's Basic Content Physics Test and in plane and spherical trigonometry with a computed p -value of 0.12 is found to be significant at 0.05 level. Based on the findings, researchers recommended to identify other factors that might affect students' readiness in college physics aside from the variables used in the study.

Basic Civil Engineering Dr. B.C. Punmia 2003-05

Engineering Mathematics - II A. Ganeshi 2009 About the Book: This book Engineering Mathematics-II is designed as a self-contained, comprehensive classroom text for the second semester B.E. Classes of Visveswaraiah Technological University as per the Revised new Syllabus. The topics included are Differential Calculus, Integral Calculus and Vector Integration, Differential Equations and Laplace Transforms. The book is written in a simple way and is accompanied with explanatory figures. All this make the students enjoy the subject while they learn. Inclusion of selected exercises and problems make the book educational in nature. It shou.

Basic Electrical and Electronics Engineering B. R. Patil 2012

Advanced Engineering Mathematics N. Bali 2007 Unlike Many Engineering Mathematics Books, The New Edition Of This Comprehensive Applications-Oriented Book Uses Computer Programs In Almost Every Chapter To Demonstrate The Mathematical Concepts Under Discussion. Designed For Engineering Students As Well As Practicing Engineers And Scientists, The Book Has Hundreds Of Examples With In-Text Solutions. In Terms Of Content, It Covers The Entire Sequence Of Mathematical Topics Needed By The Majority Of University Programs, Including ODE, PDE, Complex Variables, Probability/Statistics, And Numerical Methods. The Authors Demonstrate How The Mathematical Concepts Will Be Used In Practical Applications Such As Fractals, Robotics, Circuits, Membrane Simulation, Collision Detection, Ray Tracing, Signal Processing, And More. A CD-ROM With The Source Code For The In-Text Computer Programs (Written In C) Includes Calculation Routines And Simulations.

Power Electronics P. S. Bimbhra 200?

Engineering Mathematics II Sergei Silvestrov 2017-02-10 This book highlights the latest advances in engineering mathematics with a main focus on the mathematical models, structures, concepts, problems and computational methods and algorithms most relevant for applications in modern technologies and engineering. It addresses mathematical methods of algebra, applied matrix analysis, operator analysis, probability theory and stochastic processes, geometry and computational methods in network analysis, data classification, ranking and optimisation. The individual chapters cover both theory and applications, and include a wealth of figures, schemes, algorithms, tables and results of data analysis and simulation. Presenting new methods and results, reviews of cutting-edge research, and open problems for future research, they equip readers to develop new mathematical methods and concepts of their own, and to further compare and analyse the methods and results discussed. The book consists of contributed chapters covering research developed as a result of a focused international seminar series on mathematics and applied mathematics and a series of three focused international research workshops on engineering mathematics organised by the Research Environment in Mathematics and Applied Mathematics at Mälardalen University from

autumn 2014 to autumn 2015: the International Workshop on Engineering Mathematics for Electromagnetics and Health Technology; the International Workshop on Engineering Mathematics, Algebra, Analysis and Electromagnetics; and the 1st Swedish-Estonian International Workshop on Engineering Mathematics, Algebra, Analysis and Applications. It serves as a source of inspiration for a broad spectrum of researchers and research students in applied mathematics, as well as in the areas of applications of mathematics considered in the book.

ELECTRONIC DEVICES AND CIRCUITS I. J. NAGRATH 2007-09-13 Designed specifically for undergraduate students of Electronics and Electrical Engineering and its related disciplines, this book offers an excellent coverage of all essential topics and provides a solid foundation for analysing electronic circuits. It covers the course named Electronic Devices and Circuits of various universities. The book will also be useful to diploma students, AMIE students, and those pursuing courses in B.Sc. (Electronics) and M.Sc. (Physics). The students are thoroughly introduced to the full spectrum of fundamental topics beginning with the theory of semiconductors and p-n junction behaviour. The devices treated include diodes, transistors—BJTs, JFETs and MOSFETs—and thyristors. The circuitry covered comprises small signal (ac), power amplifiers, oscillators, and operational amplifiers including many important applications of those versatile devices. A separate chapter on IC fabrication technology is provided to give an idea of the technologies being used in this area. There are a variety of solved examples and applications for conceptual understanding. Problems at the end of each chapter are provided to test, reinforce and enhance learning.

A Textbook of Engineering Physics M N Avadhanulu 1992 A Textbook of Engineering Physics is written with two distinct objectives: to provide a single source of information for engineering undergraduates of different specializations and provide them a solid base in physics. Successive editions of the book incorporated topics as required by students pursuing their studies in various universities. In this new edition the contents are fine-tuned, modernized and updated at various stages.

Understanding Engineering Mathematics John Bird 2013-11-20 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

Boundary-Layer Theory Hermann Schlichting (Deceased) 2016-10-04 This new edition of the near-legendary textbook by Schlichting and revised by Gersten presents a comprehensive overview of boundary-layer theory and its application to all areas of fluid mechanics, with

particular emphasis on the flow past bodies (e.g. aircraft aerodynamics). The new edition features an updated reference list and over 100 additional changes throughout the book, reflecting the latest advances on the subject.

Handbook of Engineering Mathematics Walter E. Wynne 1916

Engineering Mathematics-II T.K.V. Iyengar, B. Krishna Gandhi, S. Ranganatham & M.V.S.S.N. Prasad Engineering Mathematics-II

Introduction to Machine Learning Ethem Alpaydin 2014-08-29 The goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. Introduction to Machine Learning is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing. Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of Introduction to Machine Learning reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods; distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.