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**Mathematics for Computer Science** This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions. Higher Engineering Mathematics 40th Edition Digital Design *Pearson Educación* For sophomore courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. & Digital Design, fourth edition is a modern update of the classic authoritative text on digital design. & This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications. The C Programming Language *Pearson Educación* Introduces the features of the C programming language, discusses data types, variables, operators, control flow, functions, pointers, arrays, and structures, and looks at the UNIX system interface Introduction to Engineering Materials 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. Advanced Engineering Mathematics *Pearson New International Edition* 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. C by Example *Cambridge University Press* The popular programming language is now used for writing many different kinds of programs, from compilers and assemblers to spreadsheets and games. Assuming only familiarity with basic programming concepts such as variables and looping, this text covers all aspects of the C language. MATH 221 FIRST Semester Calculus MATH 221 FIRST Semester Calculus By Sigurd Angenent Basic Computer Engineering Precise *John Wiley & Sons* Discrete Mathematics with Applications *Elsevier* 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) A Textbook of Engineering Mathematics (For First Year ,Anna University) *Laxmi Publications* Engineering Mathematics - II *New Age International* 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. Power Electronics Fundamentals of Electrical Drives *CRC Press* 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. Signals & Systems *Pearson Educación* New edition of a text intended primarily for the undergraduate courses on the subject which are frequently found in electrical engineering curricula--but the concepts and techniques it covers are also of fundamental importance in other engineering disciplines. The book is structured to develop in parallel the methods of analysis for continuous-time and discrete-time signals and systems, thus allowing exploration of their similarities and differences. Discussion of applications is emphasized, and numerous worked examples are included. Annotation copyrighted by Book News, Inc., Portland, OR Higher Engineering Mathematics (Sem-III) A TEXTBOOK OF ENGINEERING CHEMISTRY *S. Chand Publishing* 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. Introduction to Machine Learning *MIT Press* 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. Engineering Mathematics-I *S. Chand Publishing* Engineering Mathematics-I Computer Organization *New York ; Toronto : McGraw-Hill* Occupational Outlook Handbook How to Take Good Notes The Science Behind Note-Taking 2nd Edition - More Content & 2 Bonuses! Note taking may not be rocket science, but it's definitely science-cognitive science. And cognitive science has produced a lot of useful insights that we can use now to take better notes. This book presents these insights in simple words, so you can make the most of your notes and use them to study effectively. The title of this book is How to take good notes. However, note taking is just one part of the picture. Note taking is much broader in the context of this book. We take notes so we can interact with them later. What matters most is what we do with our notes after we finish taking them. So if you want to Notes can do so many good things for you. They hold all your learning efforts. Treat them well. Look after them. Software Engineering *KHANNA PUBLISHING HOUSE* Each and every chapter covers the contents up to a reasonable depth necessary for the intended readers in the field. The book consists in all about 1200 exercises based on the topics and sub-topics covered. Keeping in view the emerging trends in newly emerging scenario with new dimension of software engineering, the book specially includes the following chapters, but not limited to these only. This book explains all the notions related to software engineering in a very systematic way, which is of utmost importance to the novice readers in the field of software Engineering. Advanced Structural Analysis *Alpha Science International Limited* Advanced Structural Analysis is a textbook that essentially covers matrix analysis of structures, presented in a fresh and insightful way. This book is an extension of the author's basic book on Structural Analysis. The initial three chapters review the basic concepts in structural analysis and matrix algebra, and show how the latter provides an excellent mathematical framework for the former. The next three chapters discuss in detail and demonstrate through many examples how matrix methods can be applied to linear static analysis of skeletal structures (plane and space trusses; beams and grids; plane and space frames) by the stiffness method. Also, it is shown how simple structures can be conveniently solved using a reduced stiffness formulation, involving far less computational effort. The flexibility method is also discussed. Finally, in the seventh chapter, analysis of elastic instability and second-order response is discussed in detail. The main objective is to enable the student to have a good grasp of all the fundamental issues in these advanced topics in Structural Analysis, besides enjoying the learning process, and developing analytical and intuitive skills. With these strong fundamentals, the student will be well prepared to explore and understand further topics like Finite Elements Analysis. Professional Ethics and Human Values *Firewall Media* Core Python Programming *Pearson Education* Praise for Core Python Programming The Complete Developer's Guide to Python New to Python? The definitive guide to Python development

for experienced programmers Covers core language features thoroughly, including those found in the latest Python releases-learn more than just the syntax! Learn advanced topics such as regular expressions, networking, multithreading, GUI, Web/CGI, and Python extensions Includes brand-new material on databases, Internet clients, Java/Jython, and Microsoft Office, plus Python 2.6 and 3 Presents hundreds of code snippets, interactive examples, and practical exercises to strengthen your Python skills Python is an agile, robust, expressive, fully object-oriented, extensible, and scalable programming language. It combines the power of compiled languages with the simplicity and rapid development of scripting languages. In *Core Python Programming, Second Edition*, leading Python developer and trainer Wesley Chun helps you learn Python quickly and comprehensively so that you can immediately succeed with any Python project. Using practical code examples, Chun introduces all the fundamentals of Python programming: syntax, objects and memory management, data types, operators, files and I/O, functions, generators, error handling and exceptions, loops, iterators, functional programming, object-oriented programming and more. After you learn the core fundamentals of Python, he shows you what you can do with your new skills, delving into advanced topics, such as regular expressions, networking programming with sockets, multithreading, GUI development, Web/CGI programming and extending Python in C. This edition reflects major enhancements in the Python 2.x series, including 2.6 and tips for migrating to 3. It contains new chapters on database and Internet client programming, plus coverage of many new topics, including new-style classes, Java and Jython, Microsoft Office (Win32 COM Client) programming, and much more. Learn professional Python style, best practices, and good programming habits Gain a deep understanding of Python's objects and memory model as well as its OOP features, including those found in Python's new-style classes Build more effective Web, CGI, Internet, and network and other client/server applications Learn how to develop your own GUI applications using Tkinter and other toolkits available for Python Improve the performance of your Python applications by writing extensions in C and other languages, or enhance I/O-bound applications by using multithreading Learn about Python's database API and how to use a variety of database systems with Python, including MySQL, Postgres, and SQLite Features appendices on Python 2.6 & 3, including tips on migrating to the next generation!

**Electronic Devices and Circuits A Textbook of Engineering Mechanics (SI Units)** The present edition of this book has been thoroughly revised and a lot of useful material has been added to improve its quality and use. It also contains lot of pictures and colored diagrams for better and quick understanding as well as grasping the subject matter. **Fundamentals of Software Engineering** PHI Learning Pvt. Ltd. **Basic Electrical Engineering** S. Chand Publishing 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. **Artificial Intelligence** S. Chand Publishing For the students of B.E./B.Tech Computer Science Engineering and Information Technology (CSE/IT) **Data Communications and Networking** McGraw-Hill College **Digital Logic and Computer Design** Pearson Education India This book presents the basic concepts used in the design and analysis of digital systems and introduces the principles of digital computer organization and design. **Yojana Discrete Mathematics for Computer Scientists** Provides computer science students with a foundation in discrete mathematics using relevant computer science applications. **Introductory Methods of Numerical Analysis** Prentice Hall **Technical Communication Principles and Practice** Oxford University Press, USA 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. **Computer Organization & Architecture 7e** Pearson Education India **COMPUTER FUNDAMENTALS (SEMESTER - 1)**. **Engineering Circuit Analysis**