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BIZFWN - MAXIMILLIAN BOYER

In this book the task of summarising modern petrology from the genetic standpoint has been attempted. The scale of the work is small as compared with the magnitude of its subject, but it is nevertheless believed that the field has been reasonably covered. In conformity with the genetic viewpoint petrology, as contrasted with petrography, has been emphasised throughout; and purely descriptive mineralogical and petrographical detail has been omitted. Every petrologist who reads this book will recognise the author's indebtedness to Dr. A. Harker and Dr. A. Holmes, among British workers; to Prof. R. A. Daly, Dr. H. S. Washington, and Dr. N. L. Bowen, among American petrologists; and to Prof. J. H. L. Vogt, Prof. V. M. Goldschmidt, Prof. A. Lacroix, and Prof. P. Niggli, among European investigators. The emphasis laid on modern views, and the relative poverty of references to the works of the older generation of petrologists, does not imply any disrespect of the latter. It is due to recognition of the desirability of affording the petrological student a newer and wider range of reading references than is usually supplied in this class of work; for references tend to become stereotyped as well as text and illustrations. Furthermore it is believed that all that is good and living in the older work has been incorporated, consciously or unconsciously, in the newer.

In this new edition the latest ARM processors and other hardware developments are fully covered along with new sections on Embedded Linux and the new freeware operating system eCOS. The hot topic of embedded systems and the internet is also introduced. In addition a fascinating new case study explores how embedded systems can be developed and experimented with using nothing more than a standard PC. * A practical introduction to the hottest topic in modern electronics design * Covers hardware, interfacing and programming in one book * New material on Embedded Linux for embedded internet systems

The text in this book is based on the syllabus of the newly introduced subject AN-203/AD-303 Computing and Informatics of AMIE examinations. This book has covered all modern aspects of Computing and Informatics. It provides a very useful set of contents, covering programming, information systems, computer hardware and software study in the modern context. The book is spread over five divisions and 20 chapters. A glossary of terms has also been included for convenience to the students for quick revision. I feel elevated in presenting the New edition of this standard treatise. The favourable reception, which the previous edition and reprints of this book have enjoyed, is a matter of great satisfaction for me. I wish to express my sincere thanks to numerous professors and students for their valuable suggestions and recommending the patronise this standard treatise in the future also.

Designed as a text for the undergraduate students of all branches of engineering, this compendium gives an opportunity to learn and apply the popular drafting software AutoCAD in designing projects. The textbook is organized in three comprehensive parts. Part I (AutoCAD) deals with the basic commands of AutoCAD, a popular drafting software used by engineers and architects. Part II (Projection Techniques) contains various projection techniques used in engineering for technical drawings. These techniques have been explained with a number of line diagrams to make them simple to the students. Part III (Descriptive Geometry), mainly deals with 3-D objects that require imagination. The accompanying CD contains the animations using creative multimedia and PowerPoint presentations for all chapters. In a nutshell, this textbook will help students maintain their cutting edge in the professional job market. KEY FEATURES : Explains fundamentals of imagination skill in generic and basic forms to crystallize concepts. Includes chapters on aspects of technical drawing and AutoCAD as a tool. Treats problems in the third angle as well as first angle methods of projection in line with the revised code of Indian Standard Code of Practice for General Drawing.

This textbook first published in 1992 now appearing in its third edition retains the best features from the earlier editions and adds significantly to the contents, which include developments in the 1990s.

"Provides rigorous treatment of deterministic and random signals"

Primarily intended for the undergraduate students of metallurgical engineering, this book provides a firm foundation for the study of the fundamental principles of transport processes and kinetics of the chemical reactions that greatly help in carrying out a complete analysis of the rate processes in metallurgy. Systematically organized in eight chapters, the book provides a comprehensive treatment and balanced coverage of topics such as kinetic properties of fluids, heat transfer, mass transfer, techniques of dimensional analysis, treatment of transport problems by means of the

boundary layer theory, reaction kinetics, and also makes a study of simultaneous transfer of heat, mass and momentum for various metallurgical phenomena. Every major concept introduced is worked out, through suitable solved examples, to a numerical conclusion. In addition, each chapter concludes with a wide variety of review questions and problems to aid further understanding of the subject.

Market_Desc: Electrical Engineers Special Features: · Design and MATLAB concepts have been integrated in the text: Integrates applications as it relates signals to a remote sensing system, a controls system, radio astronomy, a biomedical system and seismology About The Book: The text provides a balanced and integrated treatment of continuous-time and discrete-time forms of signals and systems intended to reflect their roles in engineering practice. This approach has the pedagogical advantage of helping the reader see the fundamental similarities and differences between discrete-time and continuous-time representations. It includes a discussion of filtering, modulation and feedback by building on the fundamentals of signals and systems covered in earlier chapters of the book.

1 Introduction to Project management 2 Project Planning And Scheduling 3 Project Monitoring And Control 4 Project Economics 5 Project Resources And Safety Aspects 6 Project Appraisal University Question Papers

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.

A thoroughly revised, rewritten and updated edition covering the management of the emergencies students will experience in clinical practice. New emergencies have been added to this edition to make it fully complete and comprehensive.

The 1st edition of book entitled "Design of Machine Elements" for 3rd Year Diploma, Semester VI in Diploma in Mechanical Engineering Group as per the syllabus prescribed by SBTE. We have observed the students facing extreme difficulties in understanding the basic principles and fundamental concepts without adequate solved problems along with the text. To meet this basic requirement of students, sincere efforts have been made to present the subject matter with frequent use of figures and lots of numerical examples.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. For a combined, one-semester, junior/senior-level course in Igneous and Metamorphic Petrology. Also useful for programs that teach Igneous Petrology and Metamorphic Petrology. Typical texts on igneous and metamorphic petrology are geared to either advanced or novice petrology students. This unique text offers comprehensive, up-to-date coverage of both igneous and metamorphic petrology in a single volume—and provides the quantitative and technical background required to critically evaluate igneous and metamorphic phenomena in a way that students at all levels can understand. The goal throughout is for students to be able to apply the techniques—and enjoy the insights of the results—rather than tinker with theory and develop everything from first principles.

1 Comprehension 2 Interpersonal Skills Including communication Skills 3 Logical Reasoning And Analytical Ability 4 Decision making And problem Solving 5 General Mental Ability 6 Basic Numeracy And Data Interpretation 7 Marathi And English Lang. Comprehension Skills

This book, on Design and Analysis of Algorithms, in its second edition, presents a detailed coverage of the time complexity of algorithms. In this edition, a number of chapters have been modified and updated with new material. It discusses the various design factors that make one algorithm more efficient than others, and explains how to devise the new algorithms or modify the existing ones. The book begins with an introduction to algorithm analysis and then presents different methods and techniques—divide and conquer methods, the greedy method, search and traversal techniques, backtracking methods, branch and bound methods—used in the design of algorithms. Each algorithm that is written in this book is followed first by a detailed explanation and then is supported by worked-out examples. The book contains a number of figures to illustrate the theoretical aspects and also provides chapter-end questions to enable students to gauge their understanding of the underlying concepts. What distinguishes the text is its compactness, which has been achieved without sacrificing essential subject matter. This text is suitable for a course on "De-

sign and Analysis of Algorithms", which is offered to the students of B.Tech (Computer Science and Engineering) and undergraduate and postgraduate students of computer science and computer applications [BCA, MCA, B.Sc. (CS), M.Sc. (CS)] and other computer-related courses. New to this Edition : Explains in detail the time complexity of the algorithms for the problem of finding the GCD and matrix addition. Covers the analysis of Knapsack and Combinatorial Search and Optimization problems. Illustrates the "Branch-and-Bound" method with reference to the Knapsack problem. Presents the theory of NP-Completeness.

Embedded Systems: A Contemporary Design Tool, Second Edition Embedded systems are one of the foundational elements of today's evolving and growing computer technology. From operating our cars, managing our smart phones, cleaning our homes, or cooking our meals, the special computers we call embedded systems are quietly and unobtrusively making our lives easier, safer, and more connected. While working in increasingly challenging environments, embedded systems give us the ability to put increasing amounts of capability into ever-smaller and more powerful devices. Embedded Systems: A Contemporary Design Tool, Second Edition introduces you to the theoretical hardware and software foundations of these systems and expands into the areas of signal integrity, system security, low power, and hardware-software co-design. The text builds upon earlier material to show you how to apply reliable, robust solutions to a wide range of applications operating in today's often challenging environments. Taking the user's problem and needs as your starting point, you will explore each of the key theoretical and practical issues to consider when designing an application in today's world. Author James Peckol walks you through the formal hardware and software development process covering: Breaking the problem down into major functional blocks; Planning the digital and software architecture of the system; Utilizing the hardware and software co-design process; Designing the physical world interface to external analog and digital signals; Addressing security issues as an integral part of the design process; Managing signal integrity problems and reducing power demands in contemporary systems; Debugging and testing throughout the design and development cycle; Improving performance. Stressing the importance of security, safety, and reliability in the design and development of embedded systems and providing a balanced treatment of both the hardware and the software aspects, Embedded Systems: A Contemporary Design Tool, Second Edition gives you the tools for creating embedded designs that solve contemporary real-world challenges. Visit the book's website at: <http://bcs.wiley.com/he-bcs/Books?action=index&bcsId=11853&itEmId=1119457505>

Material Science and Metallurgy is presented in a user-friendly language and the diagrams give a clear view and concept. Solved problems, multiple choice questions and review questions are also integral part of the book. The contents of the book are

A controversial novel based on the life of India's most celebrated painter, Raja Ravi Varma He was accused of making the gods look like humans and insulting them by portraying them in the nude. He countered that he saw divinity in both gods and humans, and that nudity was the purest form he knew. This is the story of a little boy who grew up making charcoal sketches on freshly white-washed temple walls and went on to be titled in the court of Thiruvananthapuram as 'Raja' for his artistic prowess. His painting of a Nair woman who worked in his wife's palace brought him wrath and recognition alike. His deep involvement with Sugandha, the Maharastrian lady, who became Menaka, Damayanti and Urvashi in his most acclaimed works caught the fancy of many critics and admirers.

The second edition of this well received text continues to provide coherent and comprehensive coverage of digital signal processing. It is designed for undergraduate students of Electronics and Communication engineering, Telecommunication engineering, Electronics and Instrumentation engineering, Electrical and Electronics engineering, Electronics and Computers engineering, Biomedical engineering and Medical Electronics engineering. This book will also be useful to AMIE and IETE students. Written with student-centred, pedagogically-driven approach, the text provides a self-contained introduction to the theory of digital signal processing. It covers topics ranging from basic discrete-time signals and systems, discrete convolution and correlation, Z-transform and its applications, realization of discrete-time systems, discrete-time Fourier transform, discrete Fourier series, discrete Fourier transform to fast Fourier transform. In addition to this, various design techniques for design of IIR and FIR filters are discussed. Multi-rate digital signal processing and introduction to digital signal processors and finite word length effects on digital filters are also

covered. All the solved and unsolved problems in this book are designed to illustrate the topics in a clear way. MATLAB programs and the results for typical examples are also included at the end of chapters for the benefit of the students. New to This Edition A chapter on Finite Word Length Effects in Digital Filters Key Features • Numerous worked-out examples in each chapter • Short questions with answers help students to prepare for examinations and interviews • Fill in the blanks, review questions, objective type questions and unsolved problems at the end of each chapter to test the level of understanding of the subject

The present edition of the book is revised as per the UGC syllabus. Questions and problems at the end of each chapter have been up-dated. Many new solved examples are included in this edition. Certain topic have been added so that students from some universities where the syllabus has been modified and upgraded may benefit. Besides being a text book we hope that this benefit students appearing at the IAS, AMIE and other Competitive Examinations.

For one or two-semester courses in Microprocessors or Intel 16-32 Bit Chips. Future designers of microprocessor-based electronic equipment need a systems-level understanding of the 80x86 microcomputer. This text offers thorough, balanced, and practical coverage of both software and hardware topics. Basic concepts are developed using the 8088 and 8086 microprocessors, but the 32-bit versions of the 80x86 family are also discussed. The authors examine how to assemble, run, and debug programs, and how to build, test, and troubleshoot interface circuits.

This fifth edition of a successful textbook continues to provide students with an introduction to the basic principles of materials science over a broad range of topics. The authors have revised and updated this edition to include many new applications and recently developed materials. The book is presented in three parts. The first section discusses the physics, chemistry, and internal structure of materials. The second part examines the mechanical properties of materials and their application in engineering situations. The final section presents the electromagnetic properties of materials and their application. Each chapter begins with an outline of the relevance of its topics and ends with problems that require an understanding of the theory and some reasoning ability to resolve. These are followed by self-assessment questions, which test students' understanding of the principles of materials science and are designed to quickly cover the subject area of the chapter. This edition of Materials Science for Engineers includes an expanded treatment of many materials, particularly polymers, foams, composites and functional materials. Of the latter, superconductors and magnetics have received greater coverage to account for the considerable development in these fields in recent years. New sections on liquid crystals, superalloys, and organic semiconductors have also been added to provide a comprehensive overview of the field of materials science.

Decision Support and Data Warehouse Systems ties the more traditional view of decision support to the rapidly evolving topics of database management and data warehouse. As organizations move quickly into networked-based environments, the nature of decision support tools has become increasingly complex. These tools are now used collaboratively and the use of data warehousing mechanisms will be a critical success factor for the survival of many organizations. This new book provides a strong foundation for the use of models within the context of building and using decision support systems, and it will focus on multi-dimensional databases and client/server computing.

1 Web Techniques 2 Handling Email with PHP 3 PHP Framework 4

XML 5 Web Designing Technologies 6 Ajax

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.

Change is the law of life. This precept holds for individuals and organizations alike. Radical change, called transformation, is not so frequent. Organizational transformation entails fundamental changes that encompass the entire gamut of the organization. A successful transformation exercise begins with formulating a set of Objectives at the beginning and ends up with realizing the desired Outcomes. This book delves deep into the intricacies of the life cycle of organizational transformation and explains how it can be managed effectively adopting a systematic and step-by-step methodology. In this well-researched text, the author, J. Satyanarayana, with his vast and varied experience in the field of management and governance, gives a brilliant exposition of managing transformation. The book postulates the O2O (Objectives to Outcomes) framework as a seven-step methodology. The methodology, in a sense, is a meta-framework for transformation. It harmonizes and synthesizes altogether 40 sub-frameworks, which include some well-known concepts, such as Porter's Value Chain Framework, Kaplan and Norton's Balanced Scorecard, and Hammer's BPR framework. The author illustrates the O2O framework through a Case Study on Passport Seva Project, designed by him, and being implemented all over India to transform the quality of passport-related services provided to the citizens. This text, with its blend of theory and practice, would prove extremely valuable to the students of management and commerce. It should also be a valuable reference book to the administrators and management consultants. KEY FEATURES : By expounding the O2O methodology, the book addresses the managerial requirements of conceptualizing, designing and implementing major transformation projects. Focuses on the four principal dimensions of transformation, namely, Process, People, Technology, and Business Model while explaining the major concepts. Interspersed with plenty of examples to illustrate the concepts. Includes chapter-end review questions to drill the students in self-study.

There are many excellent R resources for visualization, data science, and package development. Hundreds of scattered vignettes, web pages, and forums explain how to use R in particular domains. But little has been written on how to simply make R work effectively—until now. This hands-on book teaches novices and experienced R users how to write efficient R code. Drawing on years of experience teaching R courses, authors Colin Gillespie and Robin Lovelace provide practical advice on a range of topics—from optimizing the set-up of RStudio to leveraging C++—that make this book a useful addition to any R user's bookshelf. Aca-

demics, business users, and programmers from a wide range of backgrounds stand to benefit from the guidance in Efficient R Programming. Get advice for setting up an R programming environment Explore general programming concepts and R coding techniques Understand the ingredients of an efficient R workflow Learn how to efficiently read and write data in R Dive into data carpentry—the vital skill for cleaning raw data Optimize your code with profiling, standard tricks, and other methods Determine your hardware capabilities for handling R computation Maximize the benefits of collaborative R programming Accelerate your transition from R hacker to R programmer

This book presents a coherent approach to computer system design that encompasses many, if not most, of the design problems and solutions options. Covers not only the basic "tricks" and techniques, but also the relationships between software and hardware levels of system implementation and operation.

Construction Project Management deals with different facets of construction management emphasizing the basic concepts that any engineering student is supposed to know. The major principles of project management have been derived through real life case studies from the field. Simplified examples have been used to facilitate better understanding of the concepts before going into the large and complex problems. The book features computer applications (Primavera and MS Project) used to explain planning, scheduling, resource leveling, monitoring and reporting; it is highly illustrated with line dia.

Software Engineering Fundamentals provides a comprehensive overview of software engineering and its process, builds on experience drawn from actual practice, and guides engineering students towards a better understanding of various disciplines, tasks, and specialities that contribute to the development of a software product. Intended for both students and professionals, the text follows the full software development life cycle, including a thorough coverage of methods, tools, principles, and guidelines. Software Engineering Fundamentals is unique in its coverage of such topics as software metrics, real-time software design, quality assurance, reliability, risk management, cost and schedule estimation, sizing, planning, test and integration process, technical management, and human factors. It establishes the concept of software development as an engineering process and software as an engineered product, and describes software development as a team-oriented activity usually conducted in a system development setting. The notion of using software metrics (attributes) to measure properties of the software product as a means to evaluate and control the development process is introduced, software metrics are presented as a management tool, and the software development process is described using an accepted review and documentation structure as an outline. Many interim products of the software engineering process are described in enough detail to permit the reader to produce a credible draft of these products. While encouraging the use of modeling techniques for sizing, cost and schedule estimation, reliability, risk assessment, and real-time design, the authors emphasize the need to calibrate models with actual data. Explicit guidance is provided for virtually every task that a software engineer may be assigned, and realistic case studies and examples are used extensively to reinforce the topics presented. Software Engineering Fundamentals presents a unique blend of practical and theoretical treatment of software engineering topics for students and professional use.

Logistics has advanced from the warehousing and transportation to boardrooms of the successful leading companies across the world. Logistic capabilities supplement the supply chain operation. It plays an important role in both organizational strategy and