Engineering Economics By R Panneerselvam

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TEXTBOOK OF PRODUCTION ENGINEERING K. C. JAIN 2014-02-03 This thoroughly revised book, now in its second edition, gives a complete coverage of the fundamental concepts and applications of Production Engineering. Divided into six parts, the text covers the various theoretical concepts, design and process of metal cutting, the design and mechanism of various machine tools, and various aspects of precision measurement and manufacturing. The concepts and processes of metal working and the design of press tools, various modern methods of manufacturing, such as ultrasonic machining (USM), electrochemical deburring (ECD), and hot machining are also covered. A variety of worked-out examples and end-of-chapter review questions are provided to strengthen the grasp as well as to test the comprehension of the underlying concepts and principles. The text is extensively illustrated to aid the students in gaining a thorough understanding of various production processes and the principles behind them. The text is intended to serve the needs of the undergraduate students of Mechanical Engineering and Production Engineering. The postgraduate students of Mechanical Engineering and Production Engineering will also find the book highly useful. Key Features • Incorporates a new chapter on Grinding and other Abrasive metal removal processes. • Includes new sections on — Electric motors for machine tools in Chapter 18. — Production of screw threads in Chapter 22. — Linear precision measurement, surface finish, and machine tools in Chapter 23. • Presents several new illustrative examples throughout the book.

Schaum's Outline of Finite Element Analysis George R. Buchanan 1994-11-22 Confusing Textbooks? Missed Lectures? Tough Test Questions? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

DATABASE MANAGEMENT SYSTEMS PANNEERSELVAM, R. 2018-01-01 Primarily designed for the postgraduate students of computer science, information technology, software engineering and management, this book, now in its Third Edition, continues to provide an excellent coverage of the basic concepts involved in database management systems. It provides a thorough treatment of some important topics such as data structure, data models and database design through presentation of well-defined algorithms, examples and real-life cases. A detailed coverage of Database Structure, Implementation Design,

Hierarchical Database Management Systems, Network Database Management Systems and Relational Database Management Systems, is also focused in this book. This book will also be useful for B.E./B.Tech. students of Computer Science and Engineering and Software Engineering. NEW TO THIS EDITION • Introduces three new chapters on rational database languages, namely, Relational Database Management Systems: Oracle 11g SQL, Relational Database Management Systems: Oracle 11g PL/SQL, and Relational Database Management Systems: Access 2013. • Text interspersed with numerous screenshots for practical under-standing of the text. • Clearly explained procedures in a step-by-step manner with chapter-end questions. • Self-explanatory, labelled figures and tables to conceptual discussion.

Basics of Engineering Economy Leland T. Blank 2013-03-01 This text covers the basic techniques and applications of engineering economy for all disciplines in the engineering profession. The writing style emphasizes brief, crisp coverage of the principle or technique discussed in order to reduce the time taken to present and grasp the essentials. The objective of the text is to explain and demonstrate the principles and techniques of engineering economic analysis as applied in different fields of engineering. This brief text includes coverage of multiple attribute evaluation for instructors who want to include non-economic dimensions in alternative evaluation and the discussion of risk considerations in the appendix, compared to Blank's comprehensive text, where these topics are discussed in two unique chapters.

Engineering Economics James L. Riggs 1998 The fourth edition of this text has streamlined the material into 15 chapters. The sequence flows through fundamentals required for economic analysis, structural procedures for performing those analyses, specific considerations for the public sector, depreciation and income tax considerations, inflation considerations, advanced concepts, including risk and decision. An emphasis on a clear writing style with numerous examples and review exercises offsets traditional ideas that the subject matter can be dull.

Sociology and Economics for Engineers Premvir Kapoor The book will help the students to understand variety of economics and sociological issues and concepts. It shall provide to them an insight and knowledge to understand the impact of developments in business and society. The book will meet the requirements of the engineers to evaluate the comparison of alternatives that involve spending money and their likely outcomes.

Economics for Engineering Students Seema Singh 2014-09-30 This is a concise and reader-friendly introduction to economics for engineering students who do not have prior knowledge of the subject. As engineers need to understand economic tools to be able to apply them in their main field, the treatment of the subject is presented in an easy to understand manner.

OPERATIONS RESEARCH R. PANNEERSELVAM 2006-01-01 The second edition of this well-organized and comprehensive text continues to provide an in-depth coverage of the theory and applications of operations research. It emphasizes the role of operations research not only as an effective decision-making tool, but also as an

essential productivity improvement tool to deal with real-world management problems. This New Edition includes new carefully designed numerical examples that help in understanding complex mathematical concepts better. The book is an easy read, explaining the basics of operations research and discussing various optimization techniques such as linear and non-linear programming, dynamic programming, goal programming, parametric programming, integer programming, transportation and assignment problems, inventory control, and network techniques. It also gives a comprehensive account of game theory, queueing theory, project management, replacement and maintenance analysis, and production scheduling. NEW TO THIS EDITION Inclusion of quantity discount models for transportation problem. Updated inventory control model and detailed discussion on application of dynamic programming in the fields of cargo loading and single-machine scheduling. Numerous new examples that explain the operations research concepts better. New questions with complete solutions to selected problems. This book, with its many student friendly features, would be eminently suitable as a text for students of engineering (mechanical, production and industrial engineering), management, mathematics, statistics, and postgraduate students of commerce and computer applications (MCA).

INTEREST TABLES FOR ENGINEERING ECONOMICS R. PANNEERSELVAM 2006-01-01 The different investment analysis approaches require various interest formulas and their values. A fairly large problem involving different types of transactions in its cash-flows may take more time to solve it, if the students compute the values of the related interest formulas and then make substitutions in the respective expressions of the investment analysis. This book gives values of different interest factors, $(F/P,i,n)$, $(P/F,i,n)$, $(F/A,i,n)$, $(A/F,i,n)$, $(P/A,i,n)$, $(A/P,i,n)$ and $(A/G,i,n)$ for different combinations of interest rate (i) and interest period (n) in the form of tables, to serve as an aid for solving problems in "Engineering Economics" in the Examination Hall. These Interest Tables can also be usefully employed for field work while doing engineering economics analysis. The tables will be useful to students of different B.Tech. programmes and to students of M.Com and M.B.A. programmes for solving different investment analysis problems.

Engineering Economy Leland T. Blank 2001-08-01 This student-friendly text on the current economic issues particular to engineering covers the topics needed to analyze engineering alternatives. Students use both hand-worked and spreadsheet solutions of examples, problems and case studies. In this edition the options have been increased with an expanded spreadsheet analysis component, twice the number of case studies, and virtually all new end-of-chapter problems. The chapters on factor derivation and usage, cost estimation, replacement studies, and after-tax evaluation have been heavily revised. New material is included on public sector projects and cost estimation. A reordering of chapters puts the fundamental topics up front in the text. Many chapters include a special set of problems that prepare the students for the Fundamentals of Engineering (FE) exam.This text provides students and practicing professionals with a solid preparation in the financial understanding of engineering problems and projects, as well as the techniques needed for evaluating and making sound economic decisions. Distinguishing characteristics include learning objectives for each chapter, an easy-to-read writing style, many solved examples, integrated spreadsheets, and case studies throughout the text. Graphical cross-referencing between topics and quick-solve spreadsheet solutions are indicated in the margin throughout the text. While the chapters are progressive, over three-quarters can stand alone, allowing

instructors flexibility for meeting course needs. A complete online learning center (OLC) offers supplemental practice problems, spreadsheet exercises, and review questions for the the Fundamentals of Engineering (FE) exam.

Project Management Panneerselvam & Senthilkumar 2010

Principles of Engineering Economics with Applications Zahid A. Khan 2018-10-18 Delivers a comprehensive textbook for a single-semester course in engineering economics/engineering economy for undergraduate engineering students.

Fundamentals of Engineering Economics Chan S. Park 2009 This work offers a concise, but in-depth coverage of all fundamental topics of engineering economics.

Solutions Manual to Accompany Engineering Economics for Capital Investment Analysis Tung Au 1983

DESIGN AND ANALYSIS OF EXPERIMENTS R. PANNERSELVAM 2012-11-24 Designed primarily as a text for the undergraduate and postgraduate students of industrial engineering, chemical engineering, production engineering, mechanical engineering, and quality engineering and management, it covers fundamentals as well as advanced concepts of Design of Experiments. The text is written in a way that helps students to independently design industrial experiments and to analyze for the inferences. Written in an easy-to-read style, it discusses different experimental design techniques such as completely randomized design, randomized complete block design and Latin square design. Besides this, the book also covers 22, 23, and 3n factorial experiments; two-stage, three-stage and mixed design with nested factors and factorial factors; different methods of orthogonal array design; and multivariate analysis of variance (MANOVA) for one-way MANOVA and factorial MANOVA. KEY FEATURES : Case Studies to illustrate the concepts and techniques Chapter end questions on prototype reality problems Yates algorithm for 2n factorial experiments Answers to Selected Questions

Process Planning and Cost Estimation R. Kesavan 2009-01-01

QUALITY MANAGEMENT R. PANNEERSELVAM 2014-04-02 This comprehensive text on Quality Management provides ways and means of delivering efficient and effective production/services quality to utmost satisfaction of the customers. Comprising 20 chapters, the book explains the concepts and techniques of quality management supported with related case studies. Numerical examples given in each chapter help students to understand the concept easily. Primarily designed for MBA, ME/MTech (Industrial Engineering, Production Engineering), BE/BTech (Mechanical Engineering and Production Engineering) and MSc (Operations Research and Statistical Quality Control), the book also serves as a reference for professionals/consultants to carryout projects in quality domain for manufacturing or service organisations. KEY FEATURES OF THE BOOK • Detailed coverage of process and statistical quality control • Chapters on ANOVA, orthogonal arrays and signal-to-noise ratio • A chapter on Six Sigma including Shainin techniques • A chapter on Analytical Hierarchy Process (AHP) • Presentation of Design of Experiments (DOE) techniques Audience • MBA • ME/MTech (Industrial Engineering, Production Engineering) • BE/BTech (Mechanical Engineering and Production Engineering) • MSc (Operations Research and Statistical Quality Control)

Operations Management S. Anil Kumar 2009-01-01 About the Book: This book presents lucid treatment of a wide range of issues involved in Operations Management. It emphasises on the analysis and quantitative techniques for the overall role of Operations Management in organisations, which aim at maximis

A Foundation Course in Human Values and Professional Ethics R.R. Gaur 2010

PRODUCTION AND OPERATIONS MANAGEMENT R. PANNEERSELVAM 2012-03-02 This widely adopted and well-established book, now in its Third Edition, provides the students of management and engineering with the latest techniques in production and operations management, considered so vital for maximizing productivity and profitability in business. What distinguishes the text is a comprehensive coverage of topics such as contract laws, capacity requirement planning, vendor evaluation including AHP method, quality function deployment, and enterprise resource planning. The new topics, which are of current interest, along with the characteristic features and easy-to-read style, would enhance the value of this text. The book is primarily intended as a text for postgraduate students of management, undergraduate students of mechanical engineering and undergraduate and postgraduate students of industrial, and production engineering courses. This profusely illustrated and well-organized text with its fine blend of theory and applications would also be useful for the practicing professionals. NEW TO THIS EDITION : Objective Type Questions at the end of each chapter Additional example problems in Chapters 5 and 17 XYZ, VED, FSN, and SDE analyses Process planning case study in Chapter 2 Case Study Questions in Chapters 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, and 15 Heuristic to minimise total tardiness in single machine scheduling KEY FEATURES : Focuses on productivity related concepts and techniques Provides solved examples at suitable places Includes sufficient tables and diagrams to illustrate the concepts Updates the reader with many efficient and modern algorithms Contains Answers to selected questions and Objective type questions

Engineering Economics and Ship Design Ian Lyon Buxton 1971

RESEARCH METHODOLOGY R. PANNEERSELVAM 2014-04-04 This comprehensive text designed for MBA, MCom, MA (Economics), MA (Sociology) and PhD (Management, Commerce, Economics, and Engineering) courses continues to give complete account of concepts and statistical tools of research methodology in its Second Edition. The textbook also serves as a reference for consultants to carryout projects/consultancies in industries or service organizations. DISTINGUISHING FEATURES OF THE BOOK • Written in an easy to read style • Each technique is illustrated with sufficient number of numerical examples • Gives complete account of statistics and aspects of research methodology • Chapter 8 gives complete account of testing of hypotheses • Design and analysis of experiments, advanced multivariate analysis, multidimensional scaling and conjoint analysis, algorithmic research, models for industries and public systems, simulation are unique to this text. • Graded chapter-end questions NEW TO THIS EDITION Introduction of a chapter on SPSS (Chapter 17), is new to this edition which gives readers an idea to obtain statistics for different techniques presented in this text. The different screenshots for different modules of SPSS applied to suitable example problems on sample session for data creation, reports, descriptive statistics, tables, compare means, general linear model, correlation, simple regression, nonparametric tests, classify, data reduction and graphs help readers to understand the features of SPSS. AUDIENCE • MBA • MCom • MA (Economics) • MA (Sociology) and • PhD (Management, Commerce, Economics, and Engineering)

DESIGN AND ANALYSIS OF ALGORITHMS R. PANNEERSELVAM 2007-12-18 This highly structured text provides comprehensive coverage of design techniques of algorithms. It traces the complete development of various algorithms in a stepwise approach followed by their pseudo-codes to build an understanding of their application in practice. With clear explanations, the book analyzes different kinds of algorithms such as distance-based network algorithms, search algorithms, sorting algorithms, probabilistic algorithms, and single as well as parallel processor scheduling algorithms. Besides, it discusses the importance of heuristics, benchmarking of algorithms, cryptography, and dynamic programming. Key Features : Offers in-depth treatment of basic and advanced topics. Includes numerous worked examples covering varied real-world situations to help students grasp the concepts easily. Provides chapter-end exercises to enable students to check their mastery of content. This text is especially designed for students of B.Tech and M.Tech (Computer Science and Engineering and Information Technology), MCA, and M.Sc. (Computer Science and Information Technology). It would also be useful to undergraduate students of electrical and electronics and other engineering disciplines where a course in algorithms is prescribed.

Project Management Harold Kerzner 2009-04-03 The landmark project management reference, now in a new edition Now in a Tenth Edition, this industry-leading project management "bible" aligns its streamlined approach to the latest release of the Project Management Institute's Project Management Body of Knowledge (PMI®'s PMBOK® Guide), the new mandatory source of training for the Project Management Professional (PMP®) Certification Exam. This outstanding edition gives students and professionals a profound understanding of project management with insights from one of the best-known and respected authorities on the subject. From the intricate framework of organizational behavior and structure that can determine project success to the planning, scheduling, and controlling processes vital to effective project management, the new edition thoroughly covers every key component of the subject. This Tenth Edition features: New sections on scope changes, exiting a project, collective belief, and managing virtual teams More than twenty-five case studies, including a new case on the Iridium Project covering all aspects of project management 400 discussion questions More than 125 multiple-choice questions (PMI, PMBOK, PMP, and Project Management Professional are registered marks of the Project Management Institute, Inc.)

Engineering Economics and Costing Mishra Sasmita 2010

Fundamentals of Hydrology Tim Davie 2019-04-23 The third edition of Fundamentals of Hydrology provides an absorbing and comprehensive introduction to the understanding of how fresh water moves on and around the planet and how humans affect and manage the freshwater resources available to them. The book consists of three parts, each of fundamental importance in the understanding of hydrology: The first section deals with processes within the hydrological cycle, our understanding of them, and how to measure and estimate the amount of water within each process. This also includes an analysis of how each process impacts upon water quality issues. The second section is concerned with the measurement and analytical assessment of important hydrological parameters such as streamflow and water quality. It describes analytical and modelling techniques used by practising hydrologists in the assessment of water resources. The final section of the book draws together the first two parts to discuss the management of freshwater with respect to both water quality and quantity in a changing world. Fundamentals of Hydrology is a lively and accessible introduction to the study of hydrology at university level. It gives undergraduates a thorough understanding of hydrological processes, knowledge of the techniques used to assess water resources, and an up-to-date overview of water resource management. Throughout the text, examples and case studies from all around the world are used to clearly explain ideas and techniques. Essay questions, guides to further reading, and website links are also included.

QUANTITATIVE MODELS IN OPERATIONS AND SUPPLY CHAIN MANAGEMENT SRINIVASAN, G. 2017-11-01 The thoroughly

revised and updated book, now in its second edition, continues to present a comprehensive view of the concepts and applications of various quantitative models used in the study of operations and supply chain management. It provides a complete account of location and layout models, production planning models, production control models, cycle inventory models, safety stock models and transportation models. A separate chapter on real-life situations provides the user with the knowledge of specific areas where the models have been applied in decision-making processes. The various techniques to solve operations and supply chain management problems are also discussed. The text is supported by a large number of illustrative examples, exercises and review questions to reinforce the students' understanding of the subject matter. Designed as a textbook for the students of mechanical and industrial engineering, the book would also be useful to postgraduate students of management. NEW TO THE SECOND EDITION • Two new chapters on 'Production Control—Additional Approaches' (Chapter 6) and 'Materials Planning and Lot Sizing' (Chapter 8) • Forecasting and Aggregate Planning are described in two separate chapters • Each chapter includes new sections, additional examples, illustrations, short questions and exercises • Provides solutions to the exercises

ENGINEERING ECONOMICS R. PANNEERSELVAM 2013-10-21 Designed as a textbook for undergraduate students in various engineering disciplines—Mechanical, Civil, Industrial Engineering, Electronics Engineer-ing and Computer Science—and for postgraduate students in Industrial Engineering and Water Resource Management, this comprehensive and well-organized book, now in its Second Edition, shows how complex economic decisions can be made from a number of given alternatives. It provides the managers not only a sound basis but also a clear-cut approach to making decisions. These decisions will ultimately result in minimizing costs and/or maximizing benefits. What is more, the book adequately illustrates the concepts with numerical problems and Indian cases. While retaining all the chapters of the previous edition, the book adds a number of topics to make it more comprehensive and more student friendly. What's New to This Edition • Discusses different types of costs such as average cost, recurring cost, and life cycle cost. • Deals with different types of cost estimating models, index numbers and capital allowance. • Covers the basics of nondeterministic decision making. • Describes the meaning of cash flows with probability distributions and decision making, and selection of alternatives using simulation. • Discusses the basic concepts of Accounting. This book, which is profusely illustrated with worked-out examples and a number of diagrams and tables, should prove extremely useful not only as a text but also as a reference for those offering courses in such areas as Project Management, Production Management, and Financial Management.

Ground Improvement Techniques (PB) Dr. P. Purushothama Raj 2005-12

Health Economics Jay Bhattacharya 2018-10-19 Comprehensive in coverage this textbook, written by academics from leading institutions, discusses current developments and debates in modern health economics from an international perspective. Economic models are presented in detail, complemented by real-life explanations and analysis, and discussions of the influence of such theories on policymaking. Offering sound pedagogy and economic rigor, Health Economics focuses on building intuition alongside appropriate mathematical formality, translating technical language into accessible economic narrative. Rather than shying away from intellectual building blocks, students are introduced to technical and theoretical foundations and encouraged to apply these to inform empirical studies and wider policymaking. Health Economics provides: - A

broad scope, featuring comparative health policy and empirical examples from around the world to help students relate the principles of health economics to everyday life - Coverage of topical issues such as the obesity epidemic, economic epidemiology, socioeconomic health disparities, and behavioural economics - A rich learning resource, complete with hundreds of exercises to help solidify and extend understanding. This book is designed for advanced undergraduate courses in health economics and policy but may also interest postgraduate students in economics, medicine and health policy.

Design and analysis of Algorithms,2/e Himanshu B. Dave This second edition of Design and Analysis of Algorithms continues to provide a comprehensive exposure to the subject with new inputs on contemporary topics in algorithm design and algorithm analysis. Spread over 21 chapters aptly complemented by five appendices, the book interprets core concepts with ease in logical succession to the student's benefit.

Stability and Ductility of Steel Structures T. Usami 1998-07-23 The near-field earthquake which struck the Hanshin-Awaji area of Japan before dawn on January 17, 1995, in addition to snatching away the lives of more than 6,000 people, inflicted horrendous damage on the region's infrastructure, including the transportation, communication and lifeline supply network and, of course, on buildings, too. A year earlier, the San Fernando Valley area of California had been hit by another near-field quake, the Northridge Earthquake, which dealt a similarly destructive blow to local infrastructures. Following these two disasters, structural engineers and researchers around the world have been working vigorously to develop methods of design for the kind of structure that is capable of withstanding not only the far-field tectonic earthquakes planned for hitherto, but also the full impact of near-field earthquake. Of the observed types of earthquake damage to steel structures, there are some whose causes are well understood, but many others continue to present us with unresolved problems. To overcome these, it is now urgently necessary for specialists to come together and exchange information. The contents of this volume are selected from the Nagoya Colloquium proceedings will become an important part of the world literature on structural stability and ductility, and will prove a driving force in the development of future stability and ductility related research and design.

Energy Economics Subhes C. Bhattacharyya 2019-11-02 This book provides an updated and expanded overview of basic concepts of energy economics and explains how simple economic tools can be used to analyse contemporary energy issues in the light of recent developments, such as the Paris Agreement, the UN Sustainable Development Goals and new technological developments in the production and use of energy. The new edition is divided into four parts covering concepts, issues, markets, and governance. Although the content has been thoroughly revised and rationalised to reflect the current state of knowledge, it retains the main features of the first edition, namely accessibility, research-informed presentation, and extensive use of charts, tables and worked examples. This easily accessible reference book allows readers to gain the skills required to understand and analyse complex energy issues from an economic perspective. It is a valuable resource for students and researchers in the field of energy economics, as well as interested readers with an interdisciplinary background.

Project Life Cycle Economics Massimo Pica 2016-03-03 The financing of modern construction projects reflects the need to address the costs and benefits of the whole life of the project. This means that end of life economics can now have a far greater impact on the planning and feasibility phases. During the project itself, decisions on construction materials and processes all influence the schedule as well as both immediate and down-the-line

costs. Massimo Pica and his co-authors explain in detail the fundamentals of project life cycle economics and how they apply in the context of complex modern construction. This is an essential guide for those involved in construction project design, tendering and contracting; to help ensure the sustainability of the project or their contribution to it, from the start. It is also important for those involved in the delivery of the project to help them make the choices to keep the project on a financial even keel. Government, corporations and other organizations are looking for new models of collaborative working to fund their large construction and infrastructure projects in the face of changing attitudes to risk; a better educated and more demanding base of end-user clients and the increasing requirements for projects that are environmentally responsible and sustainable. Project Life Cycle Economics is a fundamental primer for those commissioning and those delivering construction.

Contemporary Engineering Economics, Global Edition Chan S Park 2016-01-08 For courses in engineering and economics Comprehensively blends engineering concepts with economic theory Contemporary Engineering Economics teaches engineers how to make smart financial decisions in an effort to create economical products. As design and manufacturing become an integral part of engineers' work, they are required to make more and more decisions regarding money. The 6th Edition helps students think like the 21st century engineer who is able to incorporate elements of science, engineering, design, and economics into his or her products. This text comprehensively integrates economic theory with principles of engineering, helping students build sound skills in financial project analysis. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Engineering Economics Niall M. Fraser 2012-03-05 Engineering Economics: Financial Decision Making for Engineers¿ is designed for teaching a course on engineering economics to match engineering practice today. It recognizes the role of the engineer as a decision maker who has to make and defend sensible decisions. Such decisions must not only take into account a correct assessment of costs and benefits, they must also reflect an understanding of the environment in which the decisions are made. The 5th edition has new material on project management in order to adhere to the CEAB guidelines as well the new edition will have a new spreadsheet feature throughout the text.

Engineering Economic Analysis Donald G. Newnan 2018-02-05 Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation andenvironmental stewardship as well as a new chapter on project management.

A Textbook of Strength of Materials R. K. Bansal 2010
System Simulation, Modelling and Languages R. PANNEERSELVAM 2013-01-31 Designed as a text for undergraduate students (B.Tech./B.E.) of Computer Science and Engineering and IT, Mechanical Engineering and Mechatronics Engineering, and postgraduate students (M.Tech./M.E., M.Sc.) of Computer Science and Engineering and IT and Industrial Engineering, as well as for Bachelor and Master of Computer Applications (BCA/MCA), this well-organized book gives an in-depth analysis of the concepts of system simulation modelling and simulation languages. The book provides detailed discussions on the fundamental and advanced concepts of simulation. The book begins with the concept of system and the different terminologies associated with the system. Then it presents the different methods of random number generation and their tests. Besides, the text dwells on different probability distributions and their random variates, which are used in the simulation model, and describes various simulation languages such as GPSS, Simula I, SIMSCRIPT, CSL, GASP, OPS-3, DYNAMO, SIMAN and SLAM II. Further, it gives a comprehensive coverage of different queueing systems with illustrative examples as well as the logics of simulation model for both single-server and parallel-server queueing systems. The concluding chapters deal extensively with GPSS language, Arena simulation software and ProModel simulation software. Key Features • Follows a step-by-step approach to derive the test results. • Gives a large number of solved examples and well-designed chapter-end questions. • Includes several real-life Case Studies to illustrate the concepts discussed.
Fundamentals of Operations Management N. Aquilano 1994-08-01