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KEY=SINHA - GOODMAN ORLANDO

COMPUTER FUNDAMENTALS (SEMESTER - 1).

AMERICAN BOOK PUBLISHING RECORD

DISTRIBUTED OPERATING SYSTEMS

CONCEPTS AND DESIGN

PHI Learning Pvt. Ltd. *The highly praised book in communications networking from IEEE Press, now available in the Eastern Economy Edition.This is a non-mathematical introduction to Distributed Operating Systems explaining the fundamental concepts and design principles of this emerging technology. As a textbook for students and as a self-study text for systems managers and software engineers, this book provides a concise and an informal introduction to the subject.*

ELECTRONIC HEALTH RECORD

STANDARDS, CODING SYSTEMS, FRAMEWORKS, AND INFRASTRUCTURES

John Wiley & Sons *Discover How Electronic Health Records Are Built to Drive the Next Generation of Healthcare Delivery The increased role of IT in the healthcare sector has led to the coining of a new phrase "health informatics," which deals with the use of IT for better healthcare services. Health informatics applications often involve maintaining the health records of individuals, in digital form, which is referred to as an Electronic Health Record (EHR). Building and implementing an EHR infrastructure requires an understanding of healthcare standards, coding systems, and frameworks. This book provides an overview of different health informatics resources and artifacts that underlie the design and development of interoperable healthcare systems and applications. Electronic Health Record: Standards, Coding Systems, Frameworks, and Infrastructures compiles, for the first time, study and analysis results that EHR professionals previously had to gather from multiple sources. It benefits readers by giving them an understanding of what roles a particular healthcare standard, code, or framework plays in EHR design and overall IT-enabled healthcare services along with the issues involved. This book on Electronic Health Record: Offers the most comprehensive coverage of available EHR Standards including ISO, European Union Standards, and national initiatives by Sweden, the Netherlands, Canada, Australia, and many others Provides assessment of existing standards Includes a glossary of frequently used terms in the area of EHR Contains numerous diagrams and illustrations to facilitate comprehension Discusses security and reliability of data*

INFORMATION TECHNOLOGY : THEORY AND PRACTICE

PHI Learning Pvt. Ltd. *This book is based on the premise that knowledge of Information Technology (IT) is essential today for people in every walk of life and all types of profession. It is designed to impart a unified body of knowledge and practice in IT to its readers. Readers can apply this knowledge in innovative ways for various strategic advantages such as increasing productivity, improving quality of products and services, problem solving, decision making, and improving their own and others living standards. The textbook takes a practical approach to introduce the various components of IT to its readers. While doing so, it demonstrates how IT is being used in modern enterprises by various departments to carry out their activities with greater ease, speed, and accuracy than before. It also introduces several new business models and practices made possible due to IT that enterprises are now using for better profitability. In the process, the book provides to its readers a sound foundation of various components and aspects of IT. It also introduces to its readers several latest concepts and technologies in IT such as Wearable computers, Green computing, Cloud computing, Speech recognition and voice response systems, 4G and 5G networks, Big data analytics, Data science, Web 3.0, IPv6, 3D printing, Enterprise 2.0 organization, etc.*

FUNDAMENTALS OF COMPUTERS

Fundamentals of Computers has been specifically designed for anybody and everybody who wants to be familiar with basic concepts of computers. It is an ideal text for self-learning basic computer concepts (such as organization, architecture, input and output devices, primary and secondarymemory) as well as advanced topics (such as operating systems, computer networks, and databases). The book also provides step-by-step tutorials to learn different MS Office applications such as Word, PowerPoint, and Excel.The book

can be useful for a broad spectrum of students, varying from non-computers background students enrolled in elementary courses on Information Technology and Computer Sciences to students enrolled in professional courses such as BCA and MCA.

DATA ANALYTICS AND MANAGEMENT

PROCEEDINGS OF ICDAM

Springer Nature *This book includes original unpublished contributions presented at the International Conference on Data Analytics and Management (ICDAM 2020), held at Jan Wyzykowski University, Poland, during June 2020. The book covers the topics in data analytics, data management, big data, computational intelligence, and communication networks. The book presents innovative work by leading academics, researchers, and experts from industry which is useful for young researchers and students.*

FOUNDATIONS OF COMPUTING

Bpb Publications *This Thoughtfully Organized Book Has Been Designed To Provide Its Readers With A Sound Foundation Of Computers And Information Technology. The Number Of Chapters, Chapter Topics, And The Contents Of Each Chapter Have Been Carefully Chosen To Introduce The Readers To All Important Concepts Through A Single Book. Each Chapter Addresses The Fundamental Concepts, Popular Technologies, And Current State-Of-The-Art Topics. Complete With Numerous Illustrations And Examples, Chapter Summaries, End-Of-Chapter Questions, And A Glossary Of Important Terms, Foundations Of Computing Is Designed To Serve As An Ideal Textbook For Various Courses Offered In Computer Science, Information Technology, And Other Related Areas. You Will Find Sufficient Coverage Of All Major Topics In The Field, Including Several New And Advanced Topics, Such As:Software Engineering,Object-Oriented Programming,Network, Distributed, And Real-Time Operating Systems,Unix, Windows, And Linux Operating Systems,Relational, Object-Oriented, And Multimedia Databases,Data Warehousing And Data Mining,Information Security In Computer Systems,Multimedia Computing Systems And Applications,Wireless Networks,The Internet,And Many More&..*

FUNDAMENTAL OF DATABASE MANAGEMENT SYSTEM

LEARN ESSENTIAL CONCEPTS OF DATABASE SYSTEMS

BPB Publications *Designed to provide an insight into the database concepts DESCRIPTION Book teaches the essentials of DBMS to anyone who wants to become an effective and independent DBMS Master. It covers all the DBMS fundamentals without forgetting few vital advanced topics such as from installation, configuration and monitoring, up to the backup and migration of database covering few database client tools. KEY FEATURES Book contains real-time executed commands along with screenshot Parallel execution and explanation of Oracle and MySQL Database commands A Single comprehensive guide for Students, Teachers and Professionals Practical oriented book WHAT WILL YOU LEARN Relational Database,Keys Normalization of database SQL, SQL Queries, SQL joins Aggregate Functions,Oracle and Mysql tools WHO THIS BOOK IS FOR Students of Polytechnic Diploma Classes- Computer Science/ Information Technology Graduate Students- Computer Science/ CSE / IT/ Computer Applications Master Class Students—Msc (CS/IT)/ MCA/ M.Phil, M.Tech, M.S. Industry Professionals- Preparing for Certifications Table of Contents 1. Fundamentals of data and Database management system 2. Database Architecture and Models 3. Relational Database and normalization 4. Open source technology & SQL 5. Database queries 6. SQL operators 7. Introduction to database joins 8. Aggregate functions, subqueries and users 9. Backup & Recovery 10. Database installation 11. Oracle and MYSQL tools 12. Exercise*

COURSE ON COMPUTER CONCEPTS MADE SIMPLE.

BPB Publications

MERGERS, ACQUISITIONS, AND CORPORATE RESTRUCTURINGS

John Wiley & Sons *The essential M&A primer, updated with the latest research and statistics Mergers, Acquisitions, and Corporate Restructurings provides a comprehensive look at the field's growth and development, and places M&As in realistic context amidst changing trends, legislation, and global perspectives. All-inclusive coverage merges expert discussion with extensive graphs, research, and case studies to show how M&As can be used successfully, how each form works, and how they are governed by the laws of major countries. Strategies and motives are carefully analyzed alongside legalities each step of the way, and specific techniques are dissected to provide deep insight into real-world operations. This new seventh edition has been revised to improve clarity and approachability, and features the latest research and data to provide the most accurate assessment of the current M&A landscape. Ancillary materials include PowerPoint slides, a sample syllabus, and a test bank to facilitate training and streamline comprehension. As the global economy slows, merger and acquisition activity is expected to increase. This book provides an M&A primer for business executives and financial managers seeking a deeper understanding of how corporate restructuring can work for their companies. Understand the many forms of M&As, and the laws that govern them Learn the offensive and defensive techniques used during hostile acquisitions Delve into the strategies and motives that inspire M&As Access the latest data, research, and case studies on private equity, ethics, corporate governance, and more From large megadeals to various forms of downsizing, a full range of restructuring practices are currently being used to revitalize and supercharge companies around the world. Mergers, Acquisitions, and Corporate Restructurings is an essential resource for executives needing to quickly get up to date to plan their own company's next moves.*

FLUORESCENT ORGANIC NANOPARTICLES

NEW GENERATION MATERIALS WITH DIVERSE ANALYTICAL AND BIOMEDICAL APPLICATIONS

Springer *This book provides a critical review of recent advances in the development of fluorescent organic nanoparticles as materials of choice for the design and fabrication of sensors, bioimaging agents and drug delivery systems. The properties and functions of*

nanoparticles differ significantly from those of their parent entities or their bulk phases. Two of their most important features are their increased surface-to volume ratio, and the formation of surface structures differing from those in their bulk phases. In addition, the book discusses the synthesis of fluorescent conjugated polymers, self-assembled fluorescent nanoparticles, polydopamine nanoparticles, and aggregation-induced-emission or aggregation-induced-emission enhancement nanomaterials. In closing, the book provides an outlook on future research and development in fluorescent organic nanoparticles as smart materials with an impressive range of potential applications.

ENVIRONMENTAL ISOTOPES IN HYDROGEOLOGY

CRC Press Groundwater is an increasingly important resource to human populations around the world, and the study and protection of groundwater is an essential part of hydrogeology - the subset of hydrology that concentrates on the subsurface. Environmental isotopes, naturally occurring nuclides in water and solutes, have become fundamental tools for tracing the recharge, history, and contamination of groundwater.

INTRODUCTION TO INFORMATION TECHNOLOGY

PHI Learning Pvt. Ltd. his textbook is designed to teach a first course in Information Technology (IT) to all undergraduate students. In view of the all-pervasive nature of IT in today's world a decision has been taken by many universities to introduce IT as a compulsory core course to all Bachelor's degree students regardless of their specialisation. This book is intended for such a course. The approach taken in this book is to emphasize the fundamental "Science" of Information Technology rather than a cook book of skills. Skills can be learnt easily by practice with a computer and by using instructions given in simple web lessons that have been cited in the References. The book defines Information Technology as the technology that is used to acquire, store, organize, process and disseminate processed data, namely, information. The unique aspect of the book is to examine processing all types of data: numbers, text, images, audio and video data. As IT is a rapidly changing field, we have taken the approach to emphasize reasonably stable, fundamental concepts on which the technology is built. A unique feature of the book is the discussion of topics such as image, audio and video compression technologies from first principles. We have also described the latest technologies such as 'e-wallets' and 'cloud computing'. The book is suitable for all Bachelor's degree students in Science, Arts, Computer Applications, and Commerce. It is also useful for general reading to learn about IT and its latest trends. Those who are curious to know, the principles used to design jpg, mp3 and mpeg4 compression, the image formats—bmp, tiff, gif, png, and jpg, search engines, payment systems such as BHIM and Paytm, and cloud computing, to mention a few of the technologies discussed, will find this book useful. KEY FEATURES • Provides comprehensive coverage of all basic concepts of IT from first principles • Explains acquisition, compression, storage, organization, processing and dis-semination of multimedia data • Simple explanation of mp3, jpg, and mpeg4 compression • Explains how computer networks and the Internet work and their applications • Covers business data processing, World Wide Web, e-commerce, and IT laws • Discusses social impacts of IT and career opportunities in IT and IT enabled services • Designed for self-study with every chapter starting with learning objectives and concluding with a comprehensive summary and a large number of exercises.

RESEARCH BY DESIGN

INNOVATION AND T.C.S.

TCS is a treasure house of talent, technology and innovation. Since its formation in 1968, it has blazed the path as a pioneer and leader in providing IT services for global customers from India and ushered in india s IT revolution. Today, TCS is the world-leading information technology, consulting, services, and business process outsourcing organization, offering services to clients across fifty-five countries. It has pioneered the networked global delivery model for IT services across the globe.

PRODUCTION AND OPERATIONS MANAGEMENT SYSTEMS

CRC Press Since the beginning of mankind on Earth, if the "busyness" process was successful, then some form of benefit sustained it. The fundamentals are obvious: get the right inputs (materials, labor, money, and ideas); transform them into highly demanded, quality outputs; and make it available in time to the end consumer. Illustrating how operations relate to the rest of the organization, Production and Operations Management Systems provides an understanding of the production and operations management (P/OM) functions as well as the processes of goods and service producers. The modular character of the text permits many different journeys through the materials. If you like to start with supply chain management (Chapter 9) and then move on to inventory management (Chapter 5) and then quality management (Chapter 8), you can do so in that order. However, if your focus is product line stability and quick response time to competition, you may prefer to begin with project management (Chapter 7) to reflect the continuous project mode required for fast redesign rapid response. Slides, lectures, Excel worksheets, and solutions to short and extended problem sets are available on the Downloads / Updates tabs. The project management component of P/OM is no longer an auxiliary aspect of the field. The entire system has to be viewed and understood. The book helps students develop a sense of managerial competence in making decisions in the design, planning, operation, and control of manufacturing, production, and operations systems through examples and case studies. The text uses analytical techniques when necessary to develop critical thinking and to sharpen decision-making skills. It makes production and operations management (P/OM) interesting, even exciting, to those who are embarking on a career that involves business of any kind.

MANAGEMENT INFORMATION SYSTEMS

MANAGING THE DIGITAL FIRM

Pearson Educación Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting

and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

RENEWABLE ENERGY FOR SMART AND SUSTAINABLE CITIES

ARTIFICIAL INTELLIGENCE IN RENEWABLE ENERGETIC SYSTEMS

<u>Springer</u> *This book features cutting-edge research presented at the second international conference on Artificial Intelligence in Renewable Energetic Systems, IC-AIRES2018, held on 24–26 November 2018, at the High School of Commerce, ESC-Koléa in Tipaza, Algeria. Today, the fundamental challenge of integrating renewable energies into the design of smart cities is more relevant than ever. While based on the advent of big data and the use of information and communication technologies, smart cities must now respond to cross-cutting issues involving urban development, energy and environmental constraints; further, these cities must also explore how they can integrate more sustainable energies. Sustainable energies are a major determinant of smart cities' longevity. From an environmental and technological standpoint, these energies offer an optimal power supply to the electric network while creating significantly less pollution. This requires flexibility, i.e., the availability of supply and demand. The end goal of any smart city is to improve the quality of life for all citizens (both in the city and in the countryside) in a way that is sustainable and respectful of the environment. This book encourages the reader to engage in the preservation of our environment, every moment, every day, so as to help build a clean and healthy future, and to think of the future generations who will one day inherit our planet. Further, it equips those whose work involves energy systems and those engaged in modelling artificial intelligence to combine their expertise for the benefit of the scientific community and humanity as a whole.*

DRUG DISCOVERY FOR LEISHMANIASIS

<u>Royal Society of Chemistry</u> *For human health, leishmaniasis is among the most important protozoan diseases, superseded only by malaria. Globally, 10 to 12 million people are infected with 1.5 million new cases every year. The development of cheaper new drugs is urgently needed for this neglected disease that is developing resistance to current treatments. Chemotherapy remains the only treatment option for the bulk of patients. However, this is largely unaffordable for most. In the past three years numerous advances in drug discovery have been made for treating this disease by exploiting diverging metabolic pathways between the Leishmania enzymes and their hosts, using nanotechnology to target the immune cell phagolysosomes where Leishmania resides. Drug Discovery for Leishmaniasis aims to provide a perspective of the current treatments and their challenges, blended with the emerging strategies and methodologies that will drive new target appraisals and drug developments, as well as addressing the molecular basis of resistance in Leishmania. Recent studies have shown that leishmaniasis affects some of the poorest people in the world, with 95% of fatal cases occurring in only 6 countries. With the WHO goal of eliminating this public health problem in the South-east Asia Region by 2020, this book will be important for anyone who is interested in neglected tropical diseases.*

MACLEOD'S CLINICAL EXAMINATION E-BOOK

<u>Elsevier Health Sciences</u> *This classic textbook sets out clearly and concisely how to evaluate symptoms and elicit relevant physical signs. It describes the practical skills which every clinician must acquire and develop in order to evolve diagnostic procedures and management strategies and plans. 'Highly Commended' in the 2006 and 2010 BMA Medical Book Competitions, this Thirteenth Edition contains over 500 clinical photographs and diagrams to illustrate the text, with new topics added to make the book even more comprehensive. This Thirteenth Edition has four sections: History taking and general examination. System examination covering symptoms and signs. Examination in special situations including babies & children and the critically ill. How to pass an OSCE. Included on the Student Consult site are the specially-recorded videos demonstrating many of the clinical examination routines described in the main text. The book starts with a general overview section on history taking and the general examination that provide the framework on which to hang the detail. The systematic examination section documents clearly the relevant history, examination and special investigations as well as giving advice on their significance. The third section covers examination in specific situations and emphasises an integrated and structured approach to these patients. A final section spells out how to demonstrate the techniques learned in the book in an OSCE. Macleod's is closely linked to its sister publication, Davidson's Principles & Practice of Medicine, which complements the information in this text. Available with full online access on Student Consult and ancillary videos demonstrating key clinical examination routines following the format laid out in the book. There are two new chapters on examination in specific situations: The frail elderly The adult with fever A new section explicitly spells out how to demonstrate the techniques learned in the book in an OSCE and other formative and summative examinations. Over 50 new text boxes highlight the evidence-base for the examination techniques discussed. An Advisory Board of students, junior doctors, and representatives from the nursing, ambulance, Primary Care and academic communities from six countries has made detailed comments and critically appraised the entire book. The text has been substantially rewritten with more on medically unexplained symptoms in the History Taking chapter and extended coverage of diabetes mellitus in the Endocrine System chapter. Integrated with the online text are clinical examination videos of trained professionals performing many of the examination routines described in the book with an accompanying commentary by the Editor, Professor Colin Robertson Two new videos show how the Glasgow Coma Scale should be performed in clinical situations, demonstrating the correct techniques and also common pitfalls in using the GCS.*

DIGITAL COMMUNICATIONS AND SIGNAL PROCESSING (SECOND EDITION)

<u>Universities Press</u>

DISTRIBUTED SYSTEMS

CONCEPTS AND DESIGN

Addison Wesley Publishing Company *The new edition of this bestselling title on Distributed Systems has been thoroughly revised throughout to reflect the state of the art in this rapidly developing field. It emphasizes the principles used in the design and construction of distributed computer systems based on networks of workstations and server computers.*

INDIAN POLITICS AND SOCIETY SINCE INDEPENDENCE

EVENTS, PROCESSES AND IDEOLOGY

Routledge *Focusing on politics and society in India, this book explores new areas enmeshed in the complex social, economic and political processes in the country. Linking the structural characteristics with the broader sociological context, the book emphasizes the strong influence of sociological issues on politics, such as social milieu shaping and the articulation of the political in day-to-day events. Political events are connected with the ever-changing social, economic and political processes in order to provide an analytical framework to explain 'peculiarities' of Indian politics. Bidyut Chakrabarty argues that three major ideological influences of colonialism, nationalism and democracy have provided the foundational values of Indian politics. Structured thematically and chronologically, this work is a useful resource for students of political science, sociology and South Asian studies.*

MACHINE INTELLIGENCE AND SIGNAL PROCESSING

PROCEEDINGS OF INTERNATIONAL CONFERENCE, MISP 2019

Springer Nature *This book features selected high-quality research papers presented at the International Conference on Machine Intelligence and Signal Processing (MISP 2019), held at the Indian Institute of Technology, Allahabad, India, on September 7–10, 2019. The book covers the latest advances in the fields of machine learning, big data analytics, signal processing, computational learning theory, and their real-time applications. The topics covered include support vector machines (SVM) and variants like least-squares SVM (LS-SVM) and twin SVM (TWSVM), extreme learning machine (ELM), artificial neural network (ANN), and other areas in machine learning. Further, it discusses the real-time challenges involved in processing big data and adapting the algorithms dynamically to improve the computational efficiency. Lastly, it describes recent developments in processing signals, for instance, signals generated from IoT devices, smart systems, speech, and videos and addresses biomedical signal processing: electrocardiogram (ECG) and electroencephalogram (EEG).*

HANDBOOK OF RESEARCH ON GERIATRIC HEALTH, TREATMENT, AND CARE

IGI Global *Mental and physical disorders are common in old age but frequently remain undetected and untreated. Managing treatment and controlling symptoms of these disorders is imperative to the longevity and quality of life of patients. The Handbook of Research on Geriatric Health, Treatment, and Care provides emerging research on promoting health in older adults by preventing and treating diseases and disabilities. By highlighting topics such as alternative treatment, clinical diagnosis, and positive psychology, this publication explores the methods and approaches of identifying and diagnosing epidemiological factors that contribute to geriatric health issues. This book is an important resource for healthcare professionals, academicians, medical practitioners, researchers, and students seeking current research on the methods and strategies for maintaining healthy and successful care for the elderly.*

ELECTROCHEMICAL BIOSENSORS

CRC Press *Since four decades, rapid detection and monitoring in clinical and food diagnostics and in environmental and biodefense have paved the way for the elaboration of electrochemical biosensors. Thanks to their adaptability, ease of use in relatively complex samples, and their portability, electrochemical biosensors now are one of the mainstays of analytical chemistry. In particular, electrochemistry has played a pivotal role in the development of transduction methods for biological processes and biosensors. In parallel, the explosion of activity in nanoscience and nanotechnology and their huge success have profoundly affected biosensor technology, opening new avenues of research for electrode materials and transduction. This book provides an overview of biosensors based on amperometry, conductimetry, potentiometry, square-wave voltammetry, impedance, and electrochemiluminescence and describes the use of ultramicroelectrodes for the real-time monitoring and understanding of exocytosis. Areas of particular interest are the use of silver and gold nanoparticles for signal amplification, photocurrent transduction, and aptamer design. Moreover, advanced insights in the innovative concept of self-powered biosensors derived from biofuel cells are also discussed.*

INTELLIGENT MANUFACTURING AND ENERGY SUSTAINABILITY

PROCEEDINGS OF ICIMES 2019

Springer Nature *This book includes selected, high-quality papers presented at the International Conference on Intelligent Manufacturing and Energy Sustainability (ICIMES 2019) held at the Department of Mechanical Engineering, Malla Reddy College of Engineering & Technology (MRCET), Maisammaguda, Hyderabad, India, from 21 to 22 June 2019. It covers topics in the areas of automation, manufacturing technology and energy sustainability.*

THE TOMATO GENOME

Springer *This book describes the strategy used for sequencing, assembling and annotating the tomato genome and presents the main characteristics of this sequence with a special focus on repeated sequences and the ancestral polyploidy events. It also includes the chloroplast and mitochondrial genomes. Tomato (Solanum lycopersicum) is a major crop plant as well as a model for fruit development, and the availability of the genome sequence has completely changed the paradigm of the species' genetics and genomics. The book describes the numerous genetic and genomic resources available, the identified genes and quantitative trait*

locus (QTL) identified, as well as the strong synteny across Solanaceae species. Lastly, it discusses the consequences of the availability of a high-quality genome sequence of the cultivated species for the research community. It is a valuable resource for students and researchers interested in the genetics and genomics of tomato and Solanaceae.

M.F. HUSAIN

A PICTORIAL TRIBUTE

A master painter, a colourful persona, a filmmaker with a difference, a lover of the most expensive cars on earth, a painter who preferred to walk barefoot - Maqbool Fida Husain was an enigma even to those who knew him best. M F Husain's was an inspiring story of rags-to-riches. This book pays tribute to M F Husain the artist. A master painter, a colourful persona, a filmmaker with a difference, a lover of the most expensive cars on earth, a painter who preferred to walk barefoot - Maqbool Fida Husain was an enigma even to those who knew him best. M.F. Husain's was an inspiring

QUANTILE REGRESSION

Cambridge University Press *Quantile regression is gradually emerging as a unified statistical methodology for estimating models of conditional quantile functions. By complementing the exclusive focus of classical least squares regression on the conditional mean, quantile regression offers a systematic strategy for examining how covariates influence the location, scale and shape of the entire response distribution. This monograph is the first comprehensive treatment of the subject, encompassing models that are linear and nonlinear, parametric and nonparametric. The author has devoted more than 25 years of research to this topic. The methods in the analysis are illustrated with a variety of applications from economics, biology, ecology and finance. The treatment will find its core audiences in econometrics, statistics, and applied mathematics in addition to the disciplines cited above.*

BASIC PROGRAMMING

New York : Wiley

INVENTORY OF SANSKRIT SCHOLARS

BIOCHEMISTRY AND CELL BIOLOGY OF AGEING: PART II CLINICAL SCIENCE

Springer *This volume of the subcellular Biochemistry series will attempt to bridge the gap between the subcellular events that are related to aging as they were described in the first volume of this set of two books and the reality of aging as this is seen in clinical practice. All chapters will start from the biochemistry or cell biology, where the data is available and work up towards the understanding that we have of aging in the various areas that are related to the subject. Key focus points for this volume are nutrition, external factors and genetics on aging. There will also be chapters that will focus on various organs or tissues in which aging has been well studied, like the eyes, the muscles, the immune system and the bones. The aim of the book project and the book project that is published in concert with this volume is to bring the subcellular and clinical areas into closer contact.*

DISTRIBUTED SYSTEMS

PRINCIPLES AND PARADIGMS

Createspace Independent Publishing Platform *This second edition of Distributed Systems, Principles & Paradigms, covers the principles, advanced concepts, and technologies of distributed systems in detail, including: communication, replication, fault tolerance, and security. Intended for use in a senior/graduate level distributed systems course or by professionals, this text systematically shows how distributed systems are designed and implemented in real systems.*

HANDBOOK OF FOOD PRESERVATION

CRC Press *The processing of food is no longer simple or straightforward, but is now a highly inter-disciplinary science. A number of new techniques have developed to extend shelf-life, minimize risk, protect the environment, and improve functional, sensory, and nutritional properties. The ever-increasing number of food products and preservation techniques cr*

PYTHON PROGRAMMING

USING PROBLEM SOLVING APPROACH

Python Programming is designed as a textbook to fulfil the requirements of the first-level course in Python programming. It is suited for undergraduate degree students of computer science engineering, information technology as well as computer applications. The book aims to introduce the students to the fundamentals of computing and the concepts of Python programming language, and enable them to apply these concepts for solving real-worldproblems.

BUSINESS COMMUNICATION

Routledge *This is a wide-ranging, up-to-date introduction to modern business communication, which integrates communication theory and practice and challenges many orthodox views of the communication process. As well as developing their own practical skills, readers will be able to understand and apply principles of modern business communication. Among the subjects covered are: interpersonal communication, including the use and analysis of nonverbal communication group communication, including practical techniques to support discussion and meetings written presentation, including the full range of paper and electronic documents oral presentation, including the use of electronic media corporate communication, including strategies and media. The book also offers*

guidelines on how communication must respond to important organizational issues, including the impact of information technology, changes in organizational structures and cultures, and the diverse, multicultural composition of modern organizations. This is an ideal text for undergraduates and postgraduates studying business communication, and through its direct style and practical relevance it will also satisfy professional readers wishing to develop their understanding and skills.

2021 ACM IEEE 48TH ANNUAL INTERNATIONAL SYMPOSIUM ON COMPUTER ARCHITECTURE (ISCA)

Computer Architecture

DOMAIN-DRIVEN DESIGN

TACKLING COMPLEXITY IN THE HEART OF SOFTWARE

Addison-Wesley Professional *Describes ways to incorporate domain modeling into software development.*

GROUNDWATER DEVELOPMENT AND MANAGEMENT

ISSUES AND CHALLENGES IN SOUTH ASIA

Springer *This book deals with the challenges for efficient groundwater management, with a focus on South Asia and India, providing a balanced presentation of theory and field practice using a multidisciplinary approach. Groundwater of South Asia is increasingly confronted with overuse and deteriorating quality and therefore requires urgent attention. Management of the stressed groundwater systems is an extremely complex proposition because of the intricate hydrogeological set-up of the region. Strategies for sustainable management must involve a combination of supply-side and demand-side measures depending on the regional setting and socio-economic situations. As a consequence, the challenges of efficient groundwater management require not only a clear understanding of the aquifer configuration, but also demand for the development of a comprehensive database of the groundwater occurrences and flow systems in each hydrogeological setting. In addition, drilling and well construction methods that are appropriate to different hydrogeological formations need to be implemented as well as real-time monitoring of the status of the groundwater use. Also corrective measures for groundwater that is threatened with depletion and quality deterioration need to be installed. Finally, the legal framework of groundwater needs to be rearticulated according to the common property aspect of groundwater. These challenges should revolve around effective groundwater governance by creating an atmosphere to support and empower community-based systems of decision-making and revisit the existing legal framework and groundwater management institutions by fostering community initiatives. This book is relevant for academics, professionals, administrators, policy makers, and economists concerned with various aspects of groundwater science and management.*