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### EBCP78 - HOOPER BEATRICE

This edited volume presents the best chapters presented during the international conference on computer and applications ICCA'17 which was held in Dubai, United Arab Emirates in September 2017. Selected chapters present new advances in digital information, communications and multimedia. Authors from different countries show and discuss their findings, propose new approaches, compare them with the existing ones and include recommendations. They address all applications of computing including (but not limited to) connected health, information security, assistive technology, edutainment and serious games, education, grid computing, transportation, social computing, natural language processing, knowledge extraction and reasoning, Arabic apps, image and pattern processing, virtual reality, cloud computing, haptics, information security, robotics, networks algorithms, web engineering, big data analytics, ontology, constraints satisfaction, cryptography and steganography, Fuzzy logic, soft computing, neural networks, artificial intelligence, biometry and bio-informatics, embedded systems, computer graphics, algorithms and optimization, Internet of things and smart cities. The book can be used by researchers and practitioners to discover the recent trends in computer applications. It opens a new horizon for research discovery works locally and internationally.

The Importance Of Environmental Studies Cannot Be Disputed Since The Need For Sustainable Development Is A Key To The Future Of Mankind. Recognising This, The Honourable Supreme Court Of India Directed The Ugc To Introduce A Basic Course On Environmental Education For Undergraduate Courses In All Disciplines, To Be Implemented By Every University In The Country. Accordingly, The Ugc Constituted An Expert Committee To Formulate A Six-Month Core Module Syllabus For Environmental Studies. This Textbook Is The Outcome Of The Ugc S Efforts And Has Been Prepared As Per The Syllabus. It Is Designed To Bring About An Awareness On A Variety Of Environmental Concerns. It Attempts To Create A Pro-Environmental Attitude And A Behavioural Pattern In Society That Is Based On Creating Sustainable Lifestyles And A New Ethic Towards Conservation. This Textbook Stresses On A Balanced View Of Issues That Affect Our Daily Lives. These Issues Are Related To The Conflict Between Existing `Development Strategies And The Need For `Conservation . It Not Only Makes The Student Better Informed On These Concerns, But Is Expected To Lead The Student To-

wards Positive Action To Improve The Environment. Based On A Multidisciplinary Approach That Brings About An Appreciation Of The Natural World And Human Impact On Its Integrity, This Textbook Seeks Practical Answers To Make Human Civilization Sustainable On The Earth S Finite Resources. Attractively Priced At Rupees One Hundred And Fifteen Only, This Textbook Covers The Syllabus As Structured By The Ugc, Divided Into 8 Units And 50 Lectures. The First 7 Units, Which Cover 45 Lectures Are Classroom Teaching-Based, And Enhance Knowledge Skills And Attitude To Environment. Unit 8 Is Based On Field Activities To Be Covered In 5 Lecture Hours And Would Provide Students With First Hand Knowledge On Various Local Environmental Issues.

Algebra | Partial Fractions | The Binomial Theorem | Exponential Theorem | The Logarithmic Series Theory Of Equations | Theory Of Equations | Reciprocal Equations | Newton-Rahson Method Matrices | Fundamental Concepts | Rank Of A Matrix | Linear Equations | Characteristic Roots And Vectors Finite Differences | Finite Differences | Interpolations: Newton'S Forward, Backward Interpolation | Lagrange'S Interpolation Trigonometry | Expansions | Hyperbolic Functions Differential Calculus | Successive Derivatives | Jacobians | Polar Curves Etc..

The debut of small, inexpensive, yet powerful portable computers has coincided with the exponential growth of the Internet, making it possible to access computing resources and information at nearly any location at almost any time. This new trend, mobile computing, is poised to become the main technology driver for a decade to come. There are many

In this book, you'll be introduced to the features and capabilities of ASP.NET 3.5, as well as the foundation that ASP.NET provides. Updated for the latest release of Visual Studio, this new edition adds five hundred pages of great new content compared to the original 2.0 version of the book. Including both printed and downloadable VB and C# code examples, this edition focuses even more on experienced programmers and advanced web development. New coverage includes new chapters on IIS 7 development, LINQ, ASP.NET, Silverlight, and many others.

Paper-I | Waves & Oscillations | Properties Of Matters | Thermal Physics | Electricity And Magnetism | Geometrical Optics | Paper-II | Physical Optics | Atomic Physics | Nuclear Physics | Elements Of Relativity And Quantum Mechanics | Electronics Practical Physics | Young'S Modulus By Non-Uniform Bending | Young'S Modulus (E) Non-Uniform Bending | Rigidity Modulus (Static Torsion Method)|Rigidity Modulus By Torsional Oscillations | Surface Tension And Interfacial Surface Tension Drop Weight

Method | Comparison Of Viscosities Of Two Liquids—Burette Method | Specific Heat Capacity Of A Liquid | Sonometer— Frequency Of A.C. Mains | Determination Of Radius Of Curvature | Air Wedge — Thickness Of A Wire | Spectrometer-Diffraction On Gravity- Wavelength Of Hg Lines | Potentiometer-- Voltmeter Calibration | Post Office Box-Measure Of Resistance And Specific Resistance | Ballistic Galvanometer Figure Of Merit | Logic Gates And, Or, Not | Zener Diode Characteristics | Nand Gate As A Universal Gate

This volume explores corporate governance from three perspectives: a traditional economic, a philosophical, and an integrated business ethics perspective. Corporate governance has enjoyed a long tradition in the English-speaking world of management sciences. Following its traditional understanding it is defined as leadership and control of a firm with the aim of securing the long-term survival and viability of that firm. But recent business scandals and financial crises continue to provide ample cause for concern and have all fuelled interest in the ethical aspects. As a result, corporate governance has been criticized by many social groups. Economic sciences have failed to provide a clear definition of the corporate governance concept. Complexity increases if we embed the economic approach of corporate governance in a philosophical context. This book seeks to define the concept by examining its economic, philosophical and business ethics foundations.

“What the Communist Manifesto is to the capitalist world, Annihilation of Caste is to India.” —Anand Teltumbde, author of *The Persistence of Caste* B.R. Ambedkar’s *Annihilation of Caste* is one of the most important, yet neglected, works of political writing from India. Written in 1936, it is an audacious denunciation of Hinduism and its caste system. Ambedkar – a figure like W.E.B. Du Bois – offers a scholarly critique of Hindu scriptures, scriptures that sanction a rigidly hierarchical and iniquitous social system. The world’s best-known Hindu, Mahatma Gandhi, responded publicly to the provocation. The hatchet was never buried. Arundhati Roy introduces this extensively annotated edition of *Annihilation of Caste* in “The Doctor and the Saint,” examining the persistence of caste in modern India, and how the conflict between Ambedkar and Gandhi continues to resonate. Roy takes us to the beginning of Gandhi’s political career in South Africa, where his views on race, caste and imperialism were shaped. She tracks Ambedkar’s emergence as a major political figure in the national movement, and shows how his scholarship and intelligence illuminated a political struggle beset by sectarianism and obscurantism. Roy breathes new life into Ambedkar’s anti-caste utopia, and says that without a Dalit revolution, India will continue to be hobbled by systemic inequality.

Poets extol the burst of aroma when the bottle is opened, the wine poured, the flavor on the palate as it combines with the olfactory expression detected and the resulting glow realized. But what is the chemistry behind it? What are the compounds involved and how do they work their wonder? What do we know? Distinct and measurable differences in terroir, coupled with the plasticity of the grape berry genome and the metabolic products, as well as the work of the vintner, are critical to the production of the symphony of flavors found in the final bottled product. Analytical chemistry can inform us about the chemical differences and similarities in the grape berry constituents with which we start and what is happening to those and other constituents as the grape matures. The details of the grape and its treatment produce substantive detectable differences in each wine. While there are clear generalities - all wine is mostly water, ethanol is usually between 10% - 20% of the volume, etc - it is the details, shown to us by Analytical Chemistry and structural analysis accom-

panying it, that clearly allow one wine to be distinguished from another.

University Physics is designed for the two- or three-semester calculus-based physics course. The text has been developed to meet the scope and sequence of most university physics courses and provides a foundation for a career in mathematics, science, or engineering. The book provides an important opportunity for students to learn the core concepts of physics and understand how those concepts apply to their lives and to the world around them. Due to the comprehensive nature of the material, we are offering the book in three volumes for flexibility and efficiency. Coverage and Scope Our University Physics textbook adheres to the scope and sequence of most two- and three-semester physics courses nationwide. We have worked to make physics interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. With this objective in mind, the content of this textbook has been developed and arranged to provide a logical progression from fundamental to more advanced concepts, building upon what students have already learned and emphasizing connections between topics and between theory and applications. The goal of each section is to enable students not just to recognize concepts, but to work with them in ways that will be useful in later courses and future careers. The organization and pedagogical features were developed and vetted with feedback from science educators dedicated to the project. VOLUME III Unit 1: Optics Chapter 1: The Nature of Light Chapter 2: Geometric Optics and Image Formation Chapter 3: Interference Chapter 4: Diffraction Unit 2: Modern Physics Chapter 5: Relativity Chapter 6: Photons and Matter Waves Chapter 7: Quantum Mechanics Chapter 8: Atomic Structure Chapter 9: Condensed Matter Physics Chapter 10: Nuclear Physics Chapter 11: Particle Physics and Cosmology

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

1. Word Processing, 2. Preparing Presentations, 3. Spreadsheet and its Business Applications, 4. Creating Business Appendix

Learn how to build interactive, data-driven websites—even if you don't have any previous programming experience. If you know how to build static sites with HTML, this popular guide will help you tackle dynamic web programming. You'll get a thorough grounding in today's core open source technologies: PHP, MySQL, JavaScript, and CSS. Explore each technology separately, learn how to combine them, and pick up valuable web programming concepts along the way, including objects, XHTML, cookies, and session management. This book provides review questions in each chapter to help you apply what you've learned. Learn PHP essentials and the basics of object-oriented program-

ming Master MySQL, from database structure to complex queries Create web pages with PHP and MySQL by integrating forms and other HTML features Learn JavaScript fundamentals, from functions and event handling to accessing the Document Object Model Pick up CSS basics for formatting and styling your web pages Turn your website into a highly dynamic environment with Ajax calls Upload and manipulate files and images, validate user input, and secure your applications Explore a working example that brings all of the ingredients together

This textbook, now in its Second Edition, addresses the rapid advancements to the area of mobile computing. Almost every chapter has been revised to make the book up to date with the latest developments. It covers the main topics associated with mobile computing and wireless networking at a level that enables the students to develop a fundamental understanding of the technical issues involved in this new and fast emerging discipline. This book first examines the basics of wireless technologies and computer communications that form the essential infrastructure required for building knowledge in the area of mobile computations involving the study of invocation mechanisms at the client end, the underlying wireless communication, and the corresponding server-side technologies. It includes coverage of development of mobile cellular systems, protocol design for mobile networks, special issues involved in the mobility management of cellular system users, realization and applications of mobile ad hoc networks (MANETs), design and operation of sensor networks, special constraints and requirements of mobile operating systems, and development of mobile computing applications. Finally, an example application of the mobile computing infrastructure to M-commerce is described in the concluding chapter of the book. The book is suitable for a one-semester course in mobile computing for the undergraduate students of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Master of Computer Applications (MCA), and the undergraduate and postgraduate science courses in computer science and Information Technology. Key Features • Provides unified coverage of mobile computing and communication aspects • Discusses the mobile application development, mobile operating systems and mobile databases as part of the material devoted to mobile computing • Incorporates a survey of mobile operating systems and the latest developments

This book is a non-fictional visualisation of current global incidents through the lens of Thirukkural. The book inroads into the raging COVID-19 pandemic, polygamous Chinese lifestyle, Singapore – an axle, and tech giants such as Google, Apple, etc. The first chapter, 'American Presidential Election 2024', starts with the voyage of Columbus and covers a little about the Red Indians. Pasu, from Anna University, and Guru went to America for MBA in Ivy League. Guru joined Harvard and Pasu went to Kellogg School. Pasu fell in love with an American girl, Dorzah, in Kellogg. About 80% of this chapter is in a WhatsApp conversation format – a trending social media for all generations. Interestingly, Dorzah is a republican and Pasu is a democrat supporter. The MBA friends from American universities started the WhatsApp group, 'MBA Round D World'. Students from Harvard, Yale, UCB, IIT, LSE, ETH-Swiss and Moscow University are in it. They debated on the Presidential Election 2020 and finally landed in 2024. The subject changed to Swiss Direct Democracy, Brexit, Myanmar Coup. The Group, interestingly, entered into the 'Happiness Index' of the top 10 country's research. Dorzah is also Trump's fan. The Group's debate on the politics between Pasu and Dorzah did not affect their true love. The 1330th Kural reminded us, "Quarrelling adds delight to love; a hearty embrace [there-

after] adds delight to this quarrel." Thirukkural was penned 2,000 years back by Thiruvalluvar and translated into 42 international languages.

Advanced Cost Accounting presents the subject matter in simple and easy-to-understand language. It includes latest solved questions papers of university examinations. The book will serve the B.Com, B.Com.(CA), M.Com., M.Com.(CA), BBA, BCA And MBA students of Periyar, Thiruvalluvar, Bharathiar, Madras and various Indian Universities. The given solutions to past semesters question papers in this book will help the students in preparing for examinations. KEY FEATURES • This book designed as per the syllabi of various Indian universities • Step-by-step approach adopted for solved problems • Easy-to-understand approach • Solved problems & theories

Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 6th edition and is one of the cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true.

This accessible textbook is the only introduction to linguistics in which each chapter is written by an expert who teaches courses on that topic, ensuring balanced and uniformly excellent coverage of the full range of modern linguistics. Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound, form, meaning, and language change), and in addition provides full coverage of contextual linguistics, including separate chapters on discourse, dialect variation, language and culture, and the politics of language. There are also up-to-date separate chapters on language and the brain, computational linguistics, writing, child language acquisition, and second-language learning. The breadth of the textbook makes it ideal for introductory courses on language and linguistics offered by departments of English, sociology, anthropology, and communications, as well as by linguistics departments.

This book is written to meet the requirements of first semester B.Sc. Physics Major Students of Madras University, Chennai, Tamil Nadu. The subject matter in this book has been astutely developed keeping in view the actual difficulties faced by the students who hail mostly from rural areas of Tamil Nadu.

For B.Sc 3rd year students of all Indian Universities. The book has been prepared keeping view the syllabi prepared by different universities on the basis of Model UGC Curriculum. A large number of illustrations, pictures and interesting examples have been provided to make the reading interesting and understandable. The question that have been provided in the Exercise are in tune with the latest pattern of examination.

English For Life 1 Is A Comprehensive Coursebook For Students At The Undergraduate Level. It Has Been Designed To Cater For Students Current And Future Language And Communication Needs.

Keeping In View The Varying Backgrounds And Abilities Of Students Entering Colleges, The Preparatory Language Skills Unit At The Beginning Of The Course Attempts To Bridge The Gaps Between The Levels Of Learners. The Course Adopts An Interactive Approach And Participatory Methods. The Activity-Oriented Tasks Ensure That The Learning Process Is Relevant, Interesting And Enjoyable For Students. This Coursebook" Introduces Each Chapter Through Interactive Lead-In Exercises" Develops Reading Skills Using Range Of Reading Material" Offers Exercises With Varying Levels Of Complexity" Enriches Vocabulary Through Extensive Glossary And Exercises" Provides For Consolidated Learning Of Grammar And Usage" Improves Interpersonal Communication Skills" Promotes Writing For Academic And Functional Purposes.

An English Version Of Girish Karnad`S Play Originally Written In Kannanada - Which Was Based On 2 Folk-Tales From Karnataka.

This text, now in the Third Edition, aims to provide students with a clear, well-structured and comprehensive treatment of the theory and applications of operations research. The methodology used is to first introduce the students to the fundamental concepts through numerical illustrations and then explain the underlying theory, wherever required. Inclusion of case studies in the existing chapters makes learning easier and more effective. The book introduces the readers to various models of Operations Research (OR), such as transportation model, assignment model, inventory models, queueing theory and integer programming models. Various techniques to solve OR problems' faced by managers are also discussed. Separate chapters are devoted to Linear Programming, Dynamic Programming and Quadratic Programming which greatly help in the decision-making process. The text facilitates easy comprehension of topics by the students due to inclusion of:

- Examples and situations from the Indian context.
- Numerous exercise problems arranged in a graded manner.
- A large number

of illustrative examples. The text is primarily intended for the postgraduate students of management, computer applications, commerce, mathematics and statistics. Besides, the undergraduate students of mechanical engineering and industrial engineering will find this book extremely useful. In addition, this text can also be used as a reference by OR analysts and operations managers. NEW TO THE THIRD EDITION

- Includes two new chapters: - Chapter 14: Project Management—PERT and CPM - Chapter 15: Miscellaneous Topics (Game Theory, Sequencing and Scheduling, Simulation, and Replacement Models)
- Incorporates more examples in the existing chapters to illustrate new models, algorithms and concepts
- Provides short questions and additional numerical problems for practice in each chapter

An accessible undergraduate textbook introducing key fundamental principles behind modern communication systems, supported by exercises, software problems and lab exercises.

Efforts to cover the syllabi at all India level and is written in a simple and lucid style to be understood by a common man. Incorporated at the appropriate places in the book, the amendments made to the Companies Act, 2013. At the end of every chapter adequate questions for Part A and Part B are given. Past years question papers of some of the Universities are also included in the book. Included 10 MODEL Question papers for the Faculty and Students community. Incorporated important statutory Forms under Companies Act, 2013. Quiz in Company Secretarial Practice which would be highly useful to the students appearing for examinations and interviews. To get practical knowledge, (a) specimen notices, agenda, minutes and resolutions have been incorporated at the appropriate places in the book; (b) Documents / Forms to be filed with the Registrar of Companies under Companies Act, 2013; (c) Fees For Filing Various Documents or For Registering any Fact Under Companies Act, 2013; (d) List of New Forms Prescribed Under Companies Rules, 2014; (e) List of Schedules under Companies Act 2013.