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respectively which is a very new thing.- Examples are explained step by step and are plenty in number and any student above seventh standard can understand it. Also topics range from elementary to medium level.- All the methods to calculate square of a number that are present in other books are discussed here in addition to some new methods. Following are the methods discussed in this book to calculate square of a general number. Chapter 6, Algebraic Identity $(a+b)^2$ square calculation Chapter 7, Square calculation using $a^2 = b^2 + (a+b)(a-b)$ formula Chapter 8, Vedic Mathematic Method Chapter 9 and 10, Two digit numbers method generalization for 3 and 4 digit numbers. Chapter 13, Square of a no. near to power/multiple/sub-multiple of power of 10 Chapter 14, Vedic Mathmatic's 'Urdhva Tiryak' method Chapter 15, Ratio Method uses ratio of two successive digits Chapter 16, Vinculum calculation method, often used to calculate big digits are big Chapter 17, Square of two digit number using casting out 9's method Chapter 18, Square of three digit number using casting out 9's and casting out 11's method- Theory behind every concept is explained which will help keen maths students proud. Superficial readers can use last result given in theory.- Various square calculation methods for number like 97 using $(a+b)^2$ formula, Vedic maths method $(100-x)^2 = 100-2*x | x^2$, method to calculate square of a number near to power of 10, Vedic 'Urdhva Tiryak' method, Ratio method, Vinculum method, and Casting out 9's. You would learn different methods to calculate any square.- Chapters 11 and 12 are fun to read as specific digit or specific number repeated any no. of times can be squared using arithmetic progression method

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new technologies in synthetic biology and for the cosmetics and pharmaceutical industry. The reader is guided to use giant vesicles, from the formation of simple membrane platforms to advanced membrane and cell system models. It also includes fundamentals for understanding lipid or polymer membrane structure, properties and behavior. Every chapter includes ideas for further applications and discussions on the implications of the observed phenomena towards understanding membrane-related processes. The Giant Vesicle Book is meant to be a road companion, a trusted guide for those making their first steps in this field as well as a source of information required by experts. Key Features • A complete summary of the field, covering fundamental concepts, practical methods, core theory, and the most promising applications • A start-up package of theoretical and experimental information for newcomers in the field • Extensive protocols for establishing the required preparations and assays • Tips and instructions for carefully performing and interpreting measurements with giant vesicles or for observing them, including pitfalls • Approaches developed for investigating giant vesicles as well as brief overviews of previous studies implementing the described techniques • Handy tables with data and structures for ready reference In-depth information on natural biomaterials and their applications for translational medicine! Undiluted expertise: edited by world-leading experts with contributions from top-notch international scientists, collating experience and cutting-edge knowledge on natural biomaterials from all over the world A must-have on the shelf in every biomaterials lab: graduate and PhD students beginning their career in biomaterials science and experienced researchers and practitioners alike will turn to this comprehensive reference in their daily work Link to clinical practice: chapters on translational research make readers aware of what needs to be considered when a biomaterial leaves the lab to be routinely used This book is the VB 2005 version of the author's best-selling and highly-praised Pro .NET 2.0 Windows Forms and Custom Controls in C#. The author shows Visual Basic 2005 programmers how to design flexible, user-friendly Windows interfaces, using .NET. They will learn to use the full range of .NET controls, as well as extend them with custom controls. From best practices to user interface design tips, to a comprehensive examination of .NET user interface controls, this is a lively and practical work. Although this book is more than a reference manual, it includes detailed discussion of user interface elements that programmers will use on a regular basis. SPLAM! Successful Property Letting And Management. Designed specifically for anyone considering buying, letting and managing residential property in England & Wales, this book also includes many hints and tips for property people everywhere, such as how to deal with difficult tenants, how to locate and gain new properties and how to introduce new revenue streams. Additionally there is a section regarding developing into Real Estate and Estate Agency. The study of nonunique factorizations of elements into irreducible elements in commutative rings and monoids has emerged as an independent area of research only over the last 30 years and has enjoyed a recent flurry of activity and advancement. This book presents the proceedings of two recent meetings that gathered key researchers from around the w The bestselling JavaScript reference, now updated to reflect changes in technology and best practices As the most comprehensive book on the market, the JavaScript Bible is a classic bestseller that keeps you up to date on the latest changes in JavaScript, the leading technology for incorporating interactivity into Web pages. Part tutorial, part reference, this book serves as both a learning tool for building new JavaScript skills as well as a detailed reference for the more experienced JavaScript user. You'll get up-to-date coverage on the latest JavaScript practices that have been implemented since the previous edition, as well as the most updated code listings that reflect new concepts. Plus, you'll learn how to apply the latest JavaScript exception handling and custom object techniques. Coverage includes: JavaScript's Role in the World Wide Web and Beyond Developing a Scripting Strategy Selecting and Using Your Tools JavaScript Essentials Your First JavaScript Script Browser and Document Objects Scripts and HTML Documents Programming Fundamentals Window and Document Objects Forms and Form Elements Strings, Math, and Dates Scripting Frames and Multiple Windows Images and Dynamic HTML The String Object The Math, Number, and Boolean Objects The Date Object The Array Object JSON - Native JavaScript Object Notation E4X - Native XML Processing Control Structures and Exception

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coverage of ASP.NET 3.5 SP1, this essential resource offers both C# and VB examples throughout the book, and shares new and updated content on the ADO.NET Entity Framework, ADO.NET Dynamic Data, and ADO.NET Data Services. While ASP.NET 3.5 boasts server controls like the ListView and the incredibly flexible GridView, it also includes advancements in AJAX technology combined with JavaScript debugging features in Visual Studio 2008. With this book, a stellar author team covers the new controls in the AJAX toolbox, the back button history, and script combining, and they also examine the new capabilities of WCF including changes to DataContractSerializer. In addition, the accompanying CD-ROM features the entire book in PDF format. What you will learn from this book

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- What freeware tools you need in Scott Hanselman's ASP.NET Ultimate Developer Tools appendix

Who this book is for This book is for programmers and developers who are looking to make the transition to ASP.NET 3.5 SP1 with Visual Studio 2008 and either C# 3.0 (2008) or Visual Basic 9 (2008). CD-ROM includes the full book in PDF format and a selection of 7 Wrox Blox mini e-books including:

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- Spruce up your kitchen, bathroom, living, and dining rooms
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of a rigid body, conservation of angular momentum, forces of rolling, kinetic energy of rotation, newton's second law in angular form, newton's second law of rotation, precession of a gyroscope, relating linear and angular variables, relationship with constant angular acceleration, rolling as translation and rotation combined, rotational inertia of different objects, rotational variables, torque, work and rotational kinetic energy, and yo-yo. Practice "Second Law of Thermodynamics Study Guide" PDF, practice test 29 to solve questions bank: Entropy in real world, introduction to second law of thermodynamics, refrigerators, and Sterling engine. Practice "Simple Harmonic Motion Study Guide" PDF, practice test 30 to solve questions bank: Angular simple harmonic oscillator, damped simple harmonic motion, energy in simple harmonic oscillators, forced oscillations and resonance, harmonic motion, pendulums, and uniform circular motion. Practice "Special Relativity Study Guide" PDF, practice test 31 to solve questions bank: Mass energy, postulates, relativity of light, and time dilation. Practice "Straight Line Motion Study Guide" PDF, practice test 32 to solve questions bank: Acceleration, average velocity, instantaneous velocity, and motion. Practice "Transverse Waves Study Guide" PDF, practice test 33 to solve questions bank: Interference of waves, phasors, speed of traveling wave, standing waves, transverse and longitudinal waves, types of waves, wave power, wave speed on a stretched string, wavelength, and frequency. Practice "Two and Three Dimensional Motion Study Guide" PDF, practice test 34 to solve questions bank: Projectile motion, projectile range, and uniform circular motion. Practice "Vector Quantities Study Guide" PDF, practice test 35 to solve questions bank: Components of vector, multiplying vectors, unit vector, vectors, and scalars. Practice "Work-Kinetic Energy Theorem Study Guide" PDF, practice test 36 to solve questions bank: Energy, kinetic energy, power, and work.

When Microsoft introduced Windows 2000, the most important change was the inclusion of Active Directory. With many great benefits, it continues to be a huge headache for network and system administrators to design, implement and support. The first edition of this book, O'Reilly's best-selling Windows 2000 Active Directory, eased their pain considerably. Now titled Active Directory, 2nd Edition, this book provides system and network administrators, IT professionals, technical project managers, and programmers with a clear, detailed look at Active Directory for both Windows 2000 and Windows Server 2003. The upgraded Active Directory that ships with Windows Server 2003 has over 100 new and enhanced features and once again, O'Reilly has the answers to puzzling questions. While Microsoft's documentation serves as an important reference, Active Directory, 2nd Edition is a guide to help the curious (and weary) understand the big picture. In addition to the technical details for implementing Active Directory, several new and significantly enhanced chapters describe the numerous features that have been updated or added in Windows Server 2003 along with coverage of new programmatic interfaces that are available to manage it. After reading the book you will be familiar with the Lightweight Directory Access Protocol (LDAP), multi-master replication, Domain Name System (DNS), Group Policy, and the Active Directory Schema, among many other topics. Authors Robbie Allen and Alistair G. Lowe-Norris are experienced veterans with real-world experience. Robbie is a Senior Systems Architect in the Advanced Services Technology Group at Cisco Systems. He was instrumental in the deployment and automation of Active Directory, DNS and DHCP at Cisco, and is now working on network automation tools. Alistair is an enterprise program manager for Microsoft U.K. and previously worked for Leicester University as the project manager and technical lead of the Rapid Deployment Program for Windows 2000. Active Directory, 2nd Edition will guide you through the maze of concepts, design issues and scripting options enabling you to get the most out of your deployment.

Neuronal Networks in Brain Function, CNS Disorders, and Therapeutics, edited by two leaders in the field, offers a current and complete review of what we know about neural networks. How the brain accomplishes many of its more complex tasks can only be understood via study of neuronal network control and network interactions. Large networks can undergo major functional changes, resulting in substantially different brain function and affecting everything from learning to the potential for epilepsy. With chapters authored by experts in each topic, this book advances the understanding of: How the brain carries out important tasks via networks How these networks interact in normal brain function Major mechanisms that control network function The interaction of

the normal networks to produce more complex behaviors How brain disorders can result from abnormal interactions How therapy of disorders can be advanced through this network approach This book will benefit neuroscience researchers and graduate students with an interest in networks, as well as clinicians in neuroscience, pharmacology, and psychiatry dealing with neurobiological disorders. Utilizes perspectives and tools from various neuroscience subdisciplines (cellular, systems, physiologic), making the volume broadly relevant Chapters explore normal network function and control mechanisms, with an eye to improving therapies for brain disorders Reflects predominant disciplinary shift from an anatomical to a functional perspective of the brain Edited work with chapters authored by leaders in the field around the globe - the broadest, most expert coverage available "Provides for the first time a concise introduction to general and multiplicative ideal theory, valid for commutative rings and monoids and presented in the language of ideal systems on (commutative) monoids." Learn the behind-the-scenes tricks and techniques that will take your Visual Basic skills to the next level of programming excellence. Davis provides all the secrets readers need to create sophisticated, robust, full-featured, commercial quality Visual Basic applications. This is a comprehensive revision of Growing Media, first published in 1984 and last revised in 2002. Since its first publication the book has been a core text for Horticulture students at TAFE colleges and universities as well as an important reference title. "The New Handbook of Second Language Acquisition" is a thoroughly revised, re-organized, and re-worked edition of Ritchie and Bhatia's 1996 handbook. The work is divided into six parts, each devoted to a different aspect of the study of SLA. Part I includes a recent history of methods used in SLA research and an overview of currently used methods. Part II contains chapters on Universal Grammar, emergentism, variationism, information-processing, sociocultural, and cognitive-linguistic. Part III is devoted to overviews of SLA research on lexicon, morphosyntax, phonology, pragmatics, sentence processing, and the distinction between implicit and explicit knowledge. Part IV examines neuropsychology of SLA, another on child SLA, and the effects of age on second language acquisition and use. Part V is concerned with the contribution of the linguistic environment to SLA, including work on acquisition in different environments, through the Internet, and by deaf learners. Finally, Part VI treats social factors in SLA, including research on acquisition in contact circumstances, on social identity in SLA, on individual differences in SLA, and on the final state of SLA, bilingualism.

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