

Nums 2nd Merit List Open Merit For Mbbs And Bds

H.264 Advanced Video Coding or MPEG-4 Part 10 is fundamental to a growing range of markets such as high definition broadcasting, internet video sharing, mobile video and digital surveillance. This book reflects the growing importance and implementation of H.264 video technology. Offering a detailed overview of the system, it explains the syntax, tools and features of H.264 and equips readers with practical advice on how to get the most out of the standard. Packed with clear examples and illustrations to explain H.264 technology in an accessible and practical way. Covers basic video coding concepts, video formats and visual quality. Explains how to measure and optimise the performance of H.264 and how to balance bitrate, computation and video quality. Analyses recent work on scalable and multi-view versions of H.264, case studies of H.264 codecs and new technological developments such as the popular High Profile extensions. An invaluable companion for developers, broadcasters, system integrators, academics and students who want to master this burgeoning state-of-the-art technology. "[This book] unravels the mysteries behind the latest H.264 standard and delves deeper into each of the operations in the codec. The reader can implement (simulate, design, evaluate, optimize) the codec with all profiles and levels. The book ends with extensions and directions (such as SVC and MVC) for further research." Professor K. R. Rao, The University of Texas at Arlington, co-inventor of the Discrete Cosine Transform

This practical, example-driven introduction teaches the foundations of the Mathematica language so it can be applied to solving concrete problems.

Catch the wave of the powerful training technique that has already transformed thousands of lives. Brain Wave Vibration is a powerful, easy-to-follow method that helps people bring their bodies and minds back into balance for total health, happiness, and peace. The simplest form of practice merely requires moving your body to your own internal rhythms. Author Ilchi Lee teaches this simple truth through the book: creating a miracle is just a matter of coming back to who you really are. More than a physical training technique, Brain Wave Vibration is a call to action, a plea to uncover the vast abilities that lie within your brain. Through this revolutionary brain-body practice, you will stimulate your natural healing ability, manage your stress effectively, rediscover physical vitality, awaken your creative potential, and connect to your highest self.

Praise for Core Python Programming The Complete Developer's Guide to Python New to Python? The definitive guide to Python development for experienced programmers Covers core language features thoroughly, including those found in the latest Python releases—learn more than just the syntax! Learn advanced topics such as regular expressions, networking, multithreading, GUI, Web/CGI, and Python extensions Includes brand-new material on databases, Internet clients, Java/Jython, and Microsoft Office, plus Python 2.6 and 3 Presents hundreds of code snippets, interactive examples, and practical exercises to strengthen your Python skills Python is an agile, robust, expressive, fully object-oriented, extensible, and scalable programming language. It combines the power of compiled languages with the simplicity and rapid development of scripting languages. In Core Python Programming, Second Edition , leading Python developer and trainer Wesley Chun helps you learn Python quickly and comprehensively so that you can immediately succeed with any Python project. Using

practical code examples, Chun introduces all the fundamentals of Python programming: syntax, objects and memory management, data types, operators, files and I/O, functions, generators, error handling and exceptions, loops, iterators, functional programming, object-oriented programming and more. After you learn the core fundamentals of Python, he shows you what you can do with your new skills, delving into advanced topics, such as regular expressions, networking programming with sockets, multithreading, GUI development, Web/CGI programming and extending Python in C. This edition reflects major enhancements in the Python 2.x series, including 2.6 and tips for migrating to 3. It contains new chapters on database and Internet client programming, plus coverage of many new topics, including new-style classes, Java and Jython, Microsoft Office (Win32 COM Client) programming, and much more. Learn professional Python style, best practices, and good programming habits Gain a deep understanding of Python's objects and memory model as well as its OOP features, including those found in Python's new-style classes Build more effective Web, CGI, Internet, and network and other client/server applications Learn how to develop your own GUI applications using Tkinter and other toolkits available for Python Improve the performance of your Python applications by writing extensions in C and other languages, or enhance I/O-bound applications by using multithreading Learn about Python's database API and how to use a variety of database systems with Python, including MySQL, Postgres, and SQLite Features appendices on Python 2.6 & 3, including tips on migrating to the next generation!

The Total School Cluster Grouping Model is a specific, research-based, total-school application of cluster grouping combined with differentiation, focused on meeting the needs of students identified as gifted while also improving teaching, learning, and achievement of all students. This revised and updated second edition of Total School Cluster Grouping and Differentiation includes rationale and research followed by specific steps for developing site-specific applications that will make the important art of differentiation possible by reducing the range of achievement levels in teachers' classrooms. Materials to support staff development—including powerful simulations, evaluation, management, special populations, differentiation strategies, social and emotional needs, and recommended materials—are included.

Anatomy & Physiology for Midwives 3rd edition builds on the success of the first two editions with electronic ancillaries, more accessible, woman-centred language and strengthened links with good practice. The book provides a thorough review of anatomy and physiology applicable to midwifery, from first principles through to current research, utilizing case studies for reflection. A comprehensive and well-illustrated textbook that is an essential purchase for all students of midwifery.

Making, amending, and interpreting constitutions is a political game that can yield widespread suffering or secure a nation's liberty and prosperity. Given these high stakes, Robert Cooter argues that constitutional theory should trouble itself less with literary analysis and arguments over founders' intentions and focus much more on the real-world consequences of various constitutional provisions and choices. Pooling the best available theories from economics and political science, particularly those developed from game theory, Cooter's economic analysis of constitutions fundamentally recasts a field of growing interest and dramatic international importance. By uncovering the constitutional incentives that influence citizens, politicians,

administrators, and judges, Cooter exposes fault lines in alternative forms of democracy: unitary versus federal states, deep administration versus many elections, parliamentary versus presidential systems, unicameral versus bicameral legislatures, common versus civil law, and liberty versus equality rights. Cooter applies an efficiency test to these alternatives, asking how far they satisfy the preferences of citizens for laws and public goods. To answer Cooter contrasts two types of democracy, which he defines as competitive government. The center of the political spectrum defeats the extremes in "median democracy," whereas representatives of all the citizens bargain over laws and public goods in "bargain democracy." Bargaining can realize all the gains from political trades, or bargaining can collapse into an unstable contest of redistribution. States plagued by instability and contests over redistribution should move towards median democracy by increasing transaction costs and reducing the power of the extremes. Specifically, promoting median versus bargain democracy involves promoting winner-take-all elections versus proportional representation, two parties versus multiple parties, referenda versus representative democracy, and special governments versus comprehensive governments. This innovative theory will have ramifications felt across national and disciplinary borders, and will be debated by a large audience, including the growing pool of economists interested in how law and politics shape economic policy, political scientists using game theory or specializing in constitutional law, and academic lawyers. The approach will also garner attention from students of political science, law, and economics, as well as policy makers working in and with new democracies where constitutions are being written and refined.

GC & HTJ.Gardeners Chronicle & New HorticulturistBrain Wave VibrationGetting Back Into the Rhythm of a Happy, Healthy Life

This second edition contains revised chapters taking into account recent research advances. More advanced exercises have been included, and "Part II The Prolog Language" has been modified to be compatible with the new Prolog standard. This is a graduate level text that can be used for self-study.

The work of leading scholar Terry Castle, called by the New York Times "always engaging...consistently fascinating," has helped to revolutionize eighteenth-century studies. *The Female Thermometer* brings together Castle's essays on the phantasmagoric side of eighteenth-century literature and culture. Taking as her emblem the fanciful "female thermometer," an imaginary instrument invented by eighteenth-century satirists to measure levels of female sexual arousal, Castle explores what she calls the "impinging strangeness" of the eighteenth-century imagination--the ways in which the rationalist imperatives of the age paradoxically worked to produce what Freud would later call the uncanny. In essays on doubling and fantasy in the novels of Defoe and Richardson, sexual impersonators and the dream-like world of the eighteenth-century masquerade, magic-lantern shows, automata, and other surreal inventions of Enlightenment science, and the hallucinatory obsessions of Gothic fiction, Castle offers a haunting portrait of a remarkable epoch. Her collection explores the links between material culture, gender, and the rise of modern forms and formulas of subjectivity, effectively rewriting the cultural history of modern Europe from a materialist and feminist perspective.

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more

powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions. Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

"3 full-length online practice tests"--Cover.

In the world of architectural conservation, there is little tolerance for reconstructing or even protecting historic facades when everything behind is modern, and even less for reconstructing a building that has been completely destroyed. These offenses are considered lies against history. In this thoughtful, revealing work, conservation expert Wim Denslagen traces this predilection for honesty to the legacy of Functionalism, a Romantic-era movement that denounced the building of pseudo-architecture in favor of a new, rational form of building. With detailed analyses of headline-making restoration projects from Bruges to Berlin, Denslagen shows that the adoption of these romantic values by conservationists gave rise to a new wave of modern additions and transformations.

Results from national and international assessments indicate that school children

in the United States are not learning mathematics well enough. Many students cannot correctly apply computational algorithms to solve problems. Their understanding and use of decimals and fractions are especially weak. Indeed, helping all children succeed in mathematics is an imperative national goal. However, for our youth to succeed, we need to change how we're teaching this discipline. *Helping Children Learn Mathematics* provides comprehensive and reliable information that will guide efforts to improve school mathematics from pre--kindergarten through eighth grade. The authors explain the five strands of mathematical proficiency and discuss the major changes that need to be made in mathematics instruction, instructional materials, assessments, teacher education, and the broader educational system and answers some of the frequently asked questions when it comes to mathematics instruction. The book concludes by providing recommended actions for parents and caregivers, teachers, administrators, and policy makers, stressing the importance that everyone work together to ensure a mathematically literate society.

For over half a century Davidson's *Principles and Practice of Medicine* has informed and educated students, doctors and other health professionals all over the world, providing a comprehensive account of the practice of medicine. *Davidson's Essentials of Medicine* provides the core content of the main textbook in a condensed format which will be invaluable whenever you are on the move – whether commuting, travelling between training sites, or on electives. This book provides a distillation of the core information required for clinical studies in medicine. While retaining the acclaimed readability of the main textbook it presents the key information in a format more appropriate for practical clinical work. The contents have been carefully selected by a team of junior doctors, emphasising only the topics that will be essential for clinical studies. The book includes additional chapters of content to aid clinical practice including a practically-focussed chapter on therapeutics and a useful guide to interpreting major clinical investigations. The text draws directly on the depth and breadth of experience of the Davidson's authors and its International Advisory Board. Updated to include key changes and new illustrations included in Davidson's *Principles and Practice of Medicine*.

This book is an introduction to statistics for linguists using the open source software R. It is aimed at students and instructors/professors with little or no statistical background and is written in a non-technical and reader-friendly/accessible style. It first introduces in detail the overall logic underlying quantitative studies: exploration, hypothesis formulation and operationalization, and the notion and meaning of significance tests. It then introduces some basics of the software R relevant to statistical data analysis. A chapter on descriptive statistics explains how summary statistics for frequencies, averages, and correlations are generated with R and how they are graphically represented best. A chapter on analytical statistics explains how statistical tests are performed in R on the basis of many different linguistic case studies: For nearly every single

example, it is explained what the structure of the test looks like, how hypotheses are formulated, explored, and tested for statistical significance, how the results are graphically represented, and how one would summarize them in a paper/article. A chapter on selected multifactorial methods introduces how more complex research designs can be studied: methods for the study of multifactorial frequency data, correlations, tests for means, and binary response data are discussed and exemplified step-by-step. Also, the exploratory approach of hierarchical cluster analysis is illustrated in detail. The book comes with many exercises, boxes with short think breaks and warnings, recommendations for further study, and answer keys as well as a statistics for linguists newsgroup on the companion website. The volume is aimed at beginners on every level of linguistic education: undergraduate students, graduate students, and instructors/professors and can be used in any research methods and statistics class for linguists. It presupposes no quantitative/statistical knowledge whatsoever and, unlike most competing books, begins at step 1 for every method and explains everything explicitly.

This example-driven book offers a thorough introduction to Java's APIs for XML Web Services (JAX-WS) and RESTful Web Services (JAX-RS). Java Web Services: Up and Running takes a clear, pragmatic approach to these technologies by providing a mix of architectural overview, complete working code examples, and short yet precise instructions for compiling, deploying, and executing an application. You'll learn how to write web services from scratch and integrate existing services into your Java applications. With Java Web Services: Up and Running, you will:

- Understand the distinction between SOAP-based and REST-style services
- Write, deploy, and consume SOAP-based services in core Java
- Understand the Web Service Definition Language (WSDL) service contract
- Recognize the structure of a SOAP message
- Learn how to deliver Java-based RESTful web services and consume commercial RESTful services
- Know security requirements for SOAP- and REST-based web services
- Learn how to implement JAX-WS in various application servers

Ideal for students as well as experienced programmers, Java Web Services: Up and Running is the concise guide you need to start working with these technologies right away.

Learn how to employ JADE to build multi-agent systems! JADE (Java Agent DEvelopment framework) is a middleware for the development of applications, both in the mobile and fixed environment, based on the Peer-to-Peer intelligent autonomous agent approach. JADE enables developers to implement and deploy multi-agent systems, including agents running on wireless networks and limited-resource devices. Developing Multi-Agent Systems with JADE is a practical guide to using JADE. The text will give an introduction to agent technologies and the JADE Platform, before proceeding to give a comprehensive guide to programming with JADE. Basic features such as creating agents, agent tasks, agent communication, agent discovery and GUIs are covered, as well as more advanced features including ontologies and content languages, complex behaviours, interaction protocols, agent mobility, and the in-process interface. Issues such as JADE internals, running JADE agents on mobile devices, deploying a fault tolerant JADE platform, and main add-ons are also covered in depth. Developing Multi-Agent Systems with JADE: Comprehensive guide to using JADE to build

multi-agent systems and agent orientated programming. Describes and explains ontologies and content language, interaction protocols and complex behaviour. Includes material on persistence, security and a semantics framework. Contains numerous examples, problems, and illustrations to enhance learning. Presents a case study demonstrating the use of JADE in practice. Offers an accompanying website with additional learning resources such as sample code, exercises and PPT-slides. This invaluable resource will provide multi-agent systems practitioners, programmers working in the software industry with an interest on multi-agent systems as well as final year undergraduate and postgraduate students in CS and advanced networking and telecoms courses with a comprehensive guide to using JADE to employ multi agent systems. With contributions from experts in JADE and multi agent technology. Accompanying the book, as with all TELOS sponsored publications, is an electronic component. In this case it is a DOS-Diskette produced by one of the coauthors, Paul Wellin. This diskette consists of Mathematica notebooks and packages which contain the codes for all examples and exercises in the book, as well as additional materials intended to extend many ideas covered in the text. It is of great value to teachers, students, and others using this book to learn how to effectively program with Mathematica .

This edition examines the philosophical, historical and methodological foundations of psychological testing, assessment and measurement, while helping students appreciate their benefits and pitfalls in practice.

The events of the American Revolution signified by Lexington, Bunker Hill, Valley Forge, Saratoga, and Yorktown are familiar to American readers. Far less familiar is the fact that, for the British, the American colonies were only one front in a world war. England was also pitted against France and Spain. Not always in command of the seas and threatened with invasion, England tried grimly for eight years to subdue its rebellious colonies; to hold Canada, the West Indies, India, and Gibraltar; and to divide its European enemies. In this vivid history Piers Mackesy views the American Revolution from the standpoint of the British government and the British military leaders as they attempted to execute an overseas war of great complexity. Their tactical response to the American Revolution is now comprehensible, seen as part of a grand imperial strategy.

Issued June 1948

This book, written by one of the designers of generics, is a thorough explanation of how to use generics, and particularly, the effect this facility has on the way developers use collections. Disarmament, Demobilization, and Reintegration (DDR) and Security Sector Reform (SSR) have emerged in recent years as promising though generally poorly understood mechanisms for consolidating stability and reasserting state sovereignty after conflict. Despite the considerable experience acquired by the international community, the critical interrelationship between DDR and SSR and the ability to use these mechanisms with consistent success remain less than optimally developed. The chapters in this book reflect a diversity of field experience and research in DDR and SSR, which suggest that these are complex and interrelated systems, with underlying political attributes. Successful application of DDR and SSR requires the setting aside of preconceived assumptions or formulas, and should be viewed flexibly to restore to the state the monopoly of force.

Agriculture plays a pivotal role in the economy and development of Pakistan providing food to consumers, raw materials to industries, and a market for industrial goods. Unfortunately, agricultural production is stagnant due to several

barriers including a fixed cropping pattern, reliance on a few major crops, a narrow genetic pool, poor seed quality, and a changing climate. In addition, the high cost of production, weak phytosanitary compliance mechanisms, and a lack of cold chain facilities makes Pakistan agriculturally uncompetitive in export markets. Despite all these issues, agriculture is the primary industry in Pakistan and small farmers continue to dominate the business. Small farmers grow crops for subsistence under a fixed cropping pattern and a holistic approach is required to develop agriculture to improve the livelihoods of the rural populace. This book presents an exhaustive look at agriculture in Pakistan. Chapters provide critical analyses of present trends, inadequacies in agriculture, strategic planning, improvement programs and policies while keeping in view the natural resources, plant- and animal-related agricultural production technologies, input supplies, population planning, migration and poverty, and balanced policies on finance, credit, marketing, and trade.

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