

Cloud Computing Objective Type Questions And Answers

The importance of demonstrating the value achieved from IT investments is long established in the Computer Science (CS) and Information Systems (IS) literature. However, emerging technologies such as the ever-changing complex area of cloud computing present new challenges and opportunities for demonstrating how IT investments lead to business value. Recent reviews of extant literature highlights the need for multi-disciplinary research. This research should explore and further develops the conceptualization of value in cloud computing research. In addition, there is a need for research which investigates how IT value manifests itself across the chain of service provision and in inter-organizational scenarios. This open access book will review the state of the art from an IS, Computer Science and Accounting perspective, will introduce and discuss the main techniques for measuring business value for cloud computing in a variety of scenarios, and illustrate these with mini-case studies.

This series helps inculcate technical skills of computer and programming. It has been designed strictly in accordance with the latest curriculum based on CCE scheme and written in simple and lucid language.

Arihant has come up with a revised edition of a compendium of over 14000 questions which will significantly improve the knowledge of aspiring students by providing them with ready and reliable practice material for General Studies. The book has been designed for the aspirants preparing for IAS (CSAT), State PCS, CDS, NDA and other competitive examinations. The revised edition of this question bank focuses on Indian History & Culture, India & World Geography (Env & Eco), Indian Polity, Indian Economy, General Science, Science & Technology, General Knowledge and Current Affairs. The book contains the collection of over 14000 questions covering General Studies. The History section covers ancient, medieval and modern history whereas the Geography section covers world geography, Indian geography and environment & ecology. The General Science section covers Physics, Chemistry, Biology and Science & Technology. The questions covered in the book contain answers side by side to help aspirants evaluate themselves after attempting a certain number of questions. Also the questions asked in recent years' General Studies examinations have been provided in the book with authentic and detailed solutions to help aspirants get an insight into the recent examination pattern and the types of questions asked therein. Each chapter in the book contains a variety of questions according to the latest pattern Assertion-Reason, Matching, Multi-Statements, Arrangements, Pairing, etc. Also more than 500 questions based on Current Affairs have been provided in the book to give an additional advantage to the aspirants. As the book contains ample number of objective questions which have been designed for students of various competitive examinations, it for sure will act as the best preparation material for general studies for UPSC (CSAT), State PCS, CDS, NDA, etc.

Thoroughly updated to reflect the CompTIA Network+ N10-007 exam, Networking Essentials, Fifth Edition is a practical, up-to-date, and hands-on guide to the basics of networking. Written from the viewpoint of a working network administrator, it requires absolutely no experience with either network concepts or day-to-day network management. Networking Essentials, Fifth Edition guides readers from an entry-level knowledge in computer networks to advanced concepts in Ethernet and TCP/IP networks; routing protocols and router configuration; local, campus, and wide area network configuration; network security; wireless networking; optical networks; Voice over IP; the network server; and Linux networking. This edition contains additional coverage of switch security, troubleshooting IP networks, authorization and access control, best practices for disaster recovery, network infrastructure configuration and management, data traffic network analysis,

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network security, and VoIP. It also covers approximately 250 new terms now addressed by CompTIA's N10-007 exam. Clear goals are outlined for each chapter, and every concept is introduced in easy-to-understand language that explains how and why networking technologies are used. Each chapter is packed with real-world examples and practical exercises that reinforce all concepts and guide you through using them to configure, analyze, and fix networks. KEY PEDAGOGICAL FEATURES NET-CHALLENGE SIMULATION SOFTWARE provides hands-on experience with entering router and switch commands, setting up functions, and configuring interfaces and protocols WIRESHARK NETWORK PROTOCOL ANALYZER presents techniques and examples of data traffic analysis throughout PROVEN TOOLS FOR MORE EFFECTIVE LEARNING AND NETWORK+ PREP, including chapter outlines, summaries, and Network+ objectives WORKING EXAMPLES IN EVERY CHAPTER to reinforce key concepts and promote mastery KEY TERM DEFINITIONS, LISTINGS, AND EXTENSIVE GLOSSARY to help you master the language of networking QUESTIONS, PROBLEMS, AND CRITICAL THINKING QUESTIONS to help you deepen your understanding

Concerns surrounding environmental sustainability have led to an increase of interest in environmentally-friendly systems. In the ICT realm, attention has been largely paid to green aspects of hardware; however, it is equally necessary to address this issue from the software perspective. Green Services Engineering, Optimization, and Modeling in the Technological Age is a valuable reference source of the latest scholarly research on the implementation of green processes into software systems, contributing novel principles, methodologies, and tools to improve software development. Featuring comprehensive and timely coverage on various areas in service strategy and modeling, engineering, and sustainability, this publication is a pivotal reference source for researchers, practitioners, advanced-level students, and end users in the software development realm.

The ultimate guide to assessing and exploiting the customer value and revenue potential of the Cloud A new business model is sweeping the world—the Cloud. And, as with any new technology, there is a great deal of fear, uncertainty, and doubt surrounding cloud computing. Clouconomics radically upends the conventional wisdom, clearly explains the underlying principles and illustrates through understandable examples how Cloud computing can create compelling value—whether you are a customer, a provider, a strategist, or an investor. Clouconomics covers everything you need to consider for the delivery of business solutions, opportunities, and customer satisfaction through the Cloud, so you can understand it—and put it to work for your business. Clouconomics also delivers insight into when to avoid the cloud, and why. Quantifies how customers, users, and cloud providers can collaborate to create win-wins Reveals how to use the Laws of Clouconomics to define strategy and guide implementation Explains the probable evolution of cloud businesses and ecosystems Demolishes the conventional wisdom on cloud usage, IT spend, community clouds, and the enterprise-provider cloud balance Whether you're ready for it or not, Cloud computing is here to stay. Clouconomics provides deep insights into the business value of the Cloud for executives, practitioners, and strategists in virtually any industry—not just technology executives but also those in the marketing, operations, economics, venture capital, and financial fields.

This book constitutes the proceedings of the 14th International Conference on Green, Pervasive, and Cloud Computing, GPC 2019, held in Uberlândia, Brazil, in May 2019. The 17 full papers included in this volume were carefully reviewed and selected from 38 initial submissions. They are organized in the following topical sections: machine learning; Internet of Things and mobility; cloud and related technologies. This book gathers the state-of-the-art for industrial application of scientific and practical research in the Cloud and IoT paradigms to benefit society. The book first aims to discuss and outline various aspects of tackling climate change. The authors then discuss how Cloud and IoT

can help for digital health and learning from industrial aspects. The next part of book discusses technical improvements in the fields of security and privacy. The book also covers Smart Homes and IoT in agriculture. The book is targeted towards advancing undergraduate, graduate, and post graduate students, researchers, academicians, policymakers, various government officials, NGOs, and industry research professionals who are currently working in the field of science and technology either directly or indirectly to benefit common masses.

This book contains the proceedings of the five high-quality workshops organized at the Second European Conference on Service-Oriented and Cloud Computing, ESOC 2013, held in Malaga, Spain, in September 2013. The workshops are: Cloud for IoT (CLIoT 2013), CLOUD Storage Optimization (CLOUSO 2013), 12th International Workshop on Foundations of Coordination Languages and Self-Adaptive Systems (FOCLASA 2013), First Workshop on Mobile Cloud and Social Perspectives (MoCSOP 2013), and the 3rd International Workshop on Adaptive Services for the Future Internet (WAS4FI 2013). The 29 papers presented were carefully reviewed and selected from 51 submissions. They focus on specific topics in service-oriented and cloud computing domains: cloud environments, smart connectivity, context-aware computation, cloud for IoT, storage clouds, coordination languages, formal approaches to modeling and reasoning, self-systems, services for mobile devices, wireless sensor networks.

Cloud computing-accessing computing resources over the Internet-is rapidly changing the landscape of information technology. Its primary benefits compared to on-premise computing models are reduced costs and increased agility and scalability. Hence, cloud computing is receiving considerable interest among several stakeholders-businesses, the IT ind

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- Featured in: The Hindu, India Today, Financial Express, etc.
- Multidisciplinary Exam Preparation.
- Also provides Online Test Series and Mock Interviews.

Comprehensive and timely, Cloud Computing: Concepts and Technologies offers a thorough and detailed description of

cloud computing concepts, architectures, and technologies, along with guidance on the best ways to understand and implement them. It covers the multi-core architectures, distributed and parallel computing models, virtualization, cloud developments, workload and Service-Level-Agreements (SLA) in cloud, workload management. Further, resource management issues in cloud with regard to resource provisioning, resource allocation, resource mapping and resource adaptation, ethical, non-ethical and security issues in cloud are followed by discussion of open challenges and future directions. This book gives students a comprehensive overview of the latest technologies and guidance on cloud computing, and is ideal for those studying the subject in specific modules or advanced courses. It is designed in twelve chapters followed by laboratory setups and experiments. Each chapter has multiple choice questions with answers, as well as review questions and critical thinking questions. The chapters are practically-focused, meaning that the information will also be relevant and useful for professionals wanting an overview of the topic.

This document reprises the NIST-established definition of cloud computing, describes cloud computing benefits and open issues, presents an overview of major classes of cloud technology, and provides guidelines and recommendations on how organizations should consider the relative opportunities and risks of cloud computing. Cloud computing has been the subject of a great deal of commentary. Attempts to describe cloud computing in general terms, however, have been problematic because cloud computing is not a single kind of system, but instead spans a spectrum of underlying technologies, configuration possibilities, service models, and deployment models. This document describes cloud systems and discusses their strengths and weaknesses.

Accounting Information Systems provides a comprehensive knowledgebase of the systems that generate, evaluate, summarize, and report accounting information. Balancing technical concepts and student comprehension, this textbook introduces only the most-necessary technology in a clear and accessible style. The text focuses on business processes and accounting and IT controls, and includes discussion of relevant aspects of ethics and corporate governance.

Relatable real-world examples and abundant end-of-chapter resources reinforce Accounting Information Systems (AIS) concepts and their use in day-to-day operation. Now in its fourth edition, this popular textbook explains IT controls using the AICPA Trust Services Principles framework—a comprehensive yet easy-to-understand framework of IT controls—and allows for incorporating hands-on learning to complement theoretical concepts. A full set of pedagogical features enables students to easily comprehend the material, understand data flow diagrams and document flowcharts, discuss case studies and examples, and successfully answer end-of-chapter questions. The book's focus on ease of use, and its straightforward presentation of business processes and related controls, make it an ideal primary text for business or accounting students in AIS courses.

This book constitutes extended, revised and selected papers from the 6th International Conference on Cloud Computing and Services Science, CLOSER 2016, held in Rome, Italy, in April 2016. The 16 papers presented in this volume were carefully reviewed and selected from a total of 123 submissions. The volume also contains two invited papers. CLOSER 2016 focused on the emerging area of cloud computing, inspired by recent advances related to infrastructures, operations, and service availability through global networks. It also studied the influence of service science in this area. This study guide offers 100% coverage of every objective for the Google Cloud Certified Associate Cloud Engineer exam. Take the challenging Google Cloud Certified Associate Cloud Engineer exam with confidence using the comprehensive information contained in this effective self-study guide. The book serves as an introduction to Google Cloud Platform (GCP) and shows you how to pass the test. Beyond exam preparation, the guide also serves as a valuable on-the-job reference. Written by a recognized expert in the field, Google Cloud Certified Associate Cloud Engineer All-In-One Exam Guide is based on proven pedagogy and features special elements that teach and reinforce practical skills. The book contains accurate practice questions and detailed explanations. You will discover how to plan set up, and configure GCP; ensure effective operation; and administer access and security. Covers every topic on the exam—demonstrated through exercises, sample exams, and practice use cases. Provides online access to TotalTester customizable exam engine with additional practice questions. Written by a cloud computing expert, educator, and experienced author.

Getting familiar with cloud computing features from scratch to advanced. **KEY FEATURES** ? Detailed coverage on Cloud fundamentals, Cloud Service Models, and deployment models. ? Easy, detailed, and practical approach to develop skills on working with Cloud Computing. ? Includes charts, diagrams, and graphical illustrations for better visual learning on complex topics of cloud computing. **DESCRIPTION** Cloud computing is a technology that allows you to store, access data and programs over the internet instead of the hard drive or a server. In this book, you will gain knowledge about the fundamentals of cloud computing. This book includes a detailed description of the features of the cloud, the importance of cloud in today's era, and uses of cloud computing. This book provides you with a deep knowledge of the basics of cloud computing. You will learn about the characteristics, architecture, and uses and importance of cloud computing. This book also explores the concept of scalability and redundancy regarding cloud computing. You will learn about the various cloud deployment and service models. You will also gain knowledge of virtualization technology. You will also have a guided tour of concepts related to cloud management, data storage and security, and cloud operations and technologies. At the end of the book, you will learn about the advanced concepts of cloud computing and also learn about mobile cloud computing. **WHAT YOU WILL LEARN** ? In-depth understanding on the fundamentals of cloud computing. ? Explore the role and importance of cloud computing across businesses and enterprises. ? Learn about cloud deployment models and service models. ? Gain knowledge on cloud storage, cloud security, administration of cloud and mobile cloud computing. **WHO THIS BOOK IS FOR** This book is open to all graduates, beginners and working professionals to help them understand everything about cloud computing and how to operate in a cloud environment. **TABLE OF CONTENTS** 1. Introduction 2. Architecture and Applications 3. Scalability and Redundancy 4. Cloud Services 5. Cloud Deployment Models 6. Virtualization 7. Management 8. Data Storage and Security 9. Operations

and Challenges 10. Technologies and Service Providers 11. Cloud Cube Model 12. Mobile Cloud Computing

Distributed and Cloud Computing: From Parallel Processing to the Internet of Things offers complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing. It is the first modern, up-to-date distributed systems textbook; it explains how to create high-performance, scalable, reliable systems, exposing the design principles, architecture, and innovative applications of parallel, distributed, and cloud computing systems. Topics covered by this book include: facilitating management, debugging, migration, and disaster recovery through virtualization; clustered systems for research or ecommerce applications; designing systems as web services; and social networking systems using peer-to-peer computing. The principles of cloud computing are discussed using examples from open-source and commercial applications, along with case studies from the leading distributed computing vendors such as Amazon, Microsoft, and Google. Each chapter includes exercises and further reading, with lecture slides and more available online. This book will be ideal for students taking a distributed systems or distributed computing class, as well as for professional system designers and engineers looking for a reference to the latest distributed technologies including cloud, P2P and grid computing. Complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing Includes case studies from the leading distributed computing vendors: Amazon, Microsoft, Google, and more Explains how to use virtualization to facilitate management, debugging, migration, and disaster recovery Designed for undergraduate or graduate students taking a distributed systems course—each chapter includes exercises and further reading, with lecture slides and more available online

This IBM® Redpaper™ is the second in a series that addresses the performance and capacity considerations of the evolving cloud computing model. The first Redpaper publication (Performance Implications of Cloud Computing, REDP-4875) introduced cloud computing with its various deployment models, support roles, and offerings along with IT performance and capacity implications associated with these deployment models and offerings. In this redpaper, we discuss lessons learned in the two years since the first paper was written. We offer practical guidance about how to select workloads that work best with cloud computing, and about how to address areas, such as performance testing, monitoring, service level agreements, and capacity planning considerations for both single and multi-tenancy environments. We also provide an example of a recent project where cloud computing solved current business needs (such as cost reduction, optimization of infrastructure utilization, and more efficient systems management and reporting capabilities) and how the solution addressed performance and capacity challenges. We conclude with a summary of the lessons learned and a perspective about how cloud computing can affect performance and capacity in the future.

- This is the latest practice test to pass the CCSP ISC Certified Cloud Security Professional Exam. - It contains 512 Questions and Answers. - All the questions are 100% valid and stable. - You can reply on this practice test to pass the exam with a good mark and in the first attempt.

Computer Architecture MCQs: Multiple Choice Questions and Answers (Quiz & Practice Tests with Answer Key) PDF, Computer Architecture Worksheets & Quick Study Guide covers exam review worksheets to solve problems with 750 solved MCQs. "Computer Architecture MCQ" PDF with answers covers concepts, theory and analytical assessment tests. "Computer Architecture Quiz" PDF book helps to practice test questions from exam prep notes. Computer science study guide provides 750 verbal, quantitative, and analytical reasoning solved past question papers MCQs. Computer Architecture Multiple Choice Questions and Answers PDF download, a book covers solved quiz questions and answers on chapters: Assessing computer performance, computer architecture and organization, computer arithmetic, computer

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language and instructions, computer memory review, computer technology, data level parallelism and GPU architecture, embedded systems, exploiting memory, instruction level parallelism, instruction set principles, interconnection networks, memory hierarchy design, networks, storage and peripherals, pipelining in computer architecture, pipelining performance, processor datapath and control, quantitative design and analysis, request level and data level parallelism, storage systems, thread level parallelism worksheets for college and university revision guide. "Computer Architecture Quiz Questions and Answers" PDF download with free sample test covers beginner's questions and mock tests with exam workbook answer key. Computer architecture MCQs book, a quick study guide from textbooks and lecture notes provides exam practice tests. "Computer Architecture Worksheets" PDF book with answers covers problem solving in self-assessment workbook from computer science textbooks with past papers worksheets as: Worksheet 1: Assessing Computer Performance MCQs Worksheet 2: Computer Architecture and Organization MCQs Worksheet 3: Computer Arithmetic MCQs Worksheet 4: Computer Language and Instructions MCQs Worksheet 5: Computer Memory Review MCQs Worksheet 6: Computer Technology MCQs Worksheet 7: Data Level Parallelism and GPU Architecture MCQs Worksheet 8: Embedded Systems MCQs Worksheet 9: Exploiting Memory MCQs Worksheet 10: Instruction Level Parallelism MCQs Worksheet 11: Instruction Set Principles MCQs Worksheet 12: Interconnection Networks MCQs Worksheet 13: Memory Hierarchy Design MCQs Worksheet 14: Networks, Storage and Peripherals MCQs Worksheet 15: Pipelining in Computer Architecture MCQs Worksheet 16: Pipelining Performance MCQs Worksheet 17: Processor Datapath and Control MCQs Worksheet 18: Quantitative Design and Analysis MCQs Worksheet 19: Request Level and Data Level Parallelism MCQs Worksheet 20: Storage Systems MCQs Worksheet 21: Thread Level Parallelism MCQs Practice Assessing Computer Performance MCQ PDF with answers to solve MCQ test questions: Introduction to computer performance, CPU performance, and two spec benchmark test. Practice Computer Architecture and Organization MCQ PDF with answers to solve MCQ test questions: Encoding an instruction set, instruction set operations, and role of compilers. Practice Computer Arithmetic MCQ PDF with answers to solve MCQ test questions: Addition and subtraction, division calculations, floating point, ia-32 3-7 floating number, multiplication calculations, signed, and unsigned numbers. Practice Computer Language and Instructions MCQ PDF with answers to solve MCQ test questions: Computer instructions representations, 32 bits MIPS addressing, arrays and pointers, compiler optimization, computer architecture, computer code, computer hardware operands, computer hardware operations, computer hardware procedures, IA 32 instructions, logical instructions, logical operations, MIPS fields, program translation, sorting program. Practice Computer Memory Review MCQ PDF with answers to solve MCQ test questions: Memory hierarchy review, memory technology review, virtual memory, how virtual memory works, basic cache optimization methods, cache optimization techniques, caches performance, computer architecture, and six basic cache optimizations. Practice Computer Technology MCQ PDF with answers to solve MCQ test questions: Introduction to computer technology, and computer instructions and languages. Practice Data Level Parallelism and GPU Architecture MCQ PDF with answers to solve MCQ test questions: Loop level parallelism detection, architectural design vectors, GPU architecture issues, GPU computing, graphics processing units, SIMD instruction set extensions, and vector architecture design. Practice Embedded Systems MCQ PDF with answers to solve MCQ test questions: Introduction to embedded systems, embedded multiprocessors, embedded applications, case study SANYO vpc-sx500 camera, and signal processing. Practice Exploiting Memory MCQ PDF with answers to solve MCQ test questions: Introduction of memory, virtual memory, memory hierarchies framework, caches and cache types, fallacies and pitfalls, measuring and improving cache performance, Pentium p4 and AMD Opteron memory. Practice Instruction Level Parallelism MCQ PDF with answers to solve MCQ test questions: Instruction level parallelism, ILP approaches and memory system, limitations of ILP, exploiting ILP using multiple

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issue, advanced branch prediction, advanced techniques and speculation, basic compiler techniques, dynamic scheduling algorithm, dynamic scheduling and data hazards, hardware based speculation, and intel core i7. Practice Instruction Set Principles MCQ PDF with answers to solve MCQ test questions: Instruction set architectures, instruction set operations, computer architecture, computer code, memory addresses, memory addressing, operands type, and size. Practice Interconnection Networks MCQ PDF with answers to solve MCQ test questions: Interconnect networks, introduction to interconnection networks, computer networking, network connectivity, network routing, arbitration and switching, network topologies, networking basics, and switch microarchitecture. Practice Memory Hierarchy Design MCQ PDF with answers to solve MCQ test questions: Introduction to memory hierarchy design, design of memory hierarchies, cache performance optimizations, memory technology and optimizations, and virtual machines protection. Practice Networks, Storage and Peripherals MCQ PDF with answers to solve MCQ test questions: Introduction to networks, storage and peripherals, architecture and networks, disk storage and dependability, I/O performance, reliability measures, benchmarks, I/O system design, processor, memory, and I/O devices interface. Practice Pipelining in Computer Architecture MCQ PDF with answers to solve MCQ test questions: Introduction to pipelining, pipelining implementation, implementation issues of pipelining, pipelining crosscutting issues, pipelining basic, fallacies and pitfalls, major hurdle of pipelining, MIPS pipeline, multicycle, MIPS R4000 pipeline, and intermediate concepts. Practice Pipelining Performance MCQ PDF with answers to solve MCQ test questions: What is pipelining, computer organization, pipelined datapath, and pipelining data hazards. Practice Processor Datapath and Control MCQ PDF with answers to solve MCQ test questions: datapath design, computer architecture, computer code, computer organization, exceptions, fallacies and pitfalls, multicycle implementation, organization of Pentium implementations, and simple implementation scheme. Practice Quantitative Design and Analysis MCQ PDF with answers to solve MCQ test questions: Quantitative design and analysis, quantitative principles of computer design, computer types, cost trends and analysis, dependability, integrated circuits, power and energy, performance and price analysis, performance measurement, and what is computer architecture. Practice Request Level and Data Level Parallelism MCQ PDF with answers to solve MCQ test questions: Thread level parallelism, cloud computing, google warehouse scale, physical infrastructure and costs, programming models, and workloads. Practice Storage Systems MCQ PDF with answers to solve MCQ test questions: Introduction to storage systems, storage crosscutting issues, designing and evaluating an I/O system, I/O performance, reliability measures and benchmarks, queuing theory, real faults, and failures. Practice Thread Level Parallelism MCQ PDF with answers to solve MCQ test questions: Thread level parallelism, shared memory architectures, GPU architecture issues, distributed shared memory and coherence, models of memory consistency, multicore processors and performance, symmetric shared memory multiprocessors, and synchronization basics.

Database Management System (DBMS) and Oracle are essentially a part of the curriculum for undergraduate and postgraduate courses in Computer Science, Computer Applications, Computer Science and Engineering, Information Technology and Management. The book is organized into three parts to introduce the theoretical and programming concepts of DBMS. Part I (Basic Concepts and Oracle SQL) deals with DBMS basic, software analysis and design, data flow diagram, ER model, relational algebra, normal forms, SQL queries, functions, subqueries, different types of joins, DCL, DDL, DML, object constraints and security in Oracle. Part II (Application Using Oracle PL/SQL) explains PL/SQL basics, functions, procedures, packages, exception handling, triggers, implicit, explicit and advanced cursors using suitable examples. This part also covers advanced concepts related to PL/SQL, such as collection, records, objects, dynamic SQL and performance tuning. Part III (Advanced Concepts and Technologies) elaborates on advanced database concepts such as query processing, file

organization, distributed architecture, backup, recovery, data warehousing, online analytical processing and data mining concepts and their techniques. All the chapters include a large number of examples. To further reinforce the concepts, numerous objective type questions and workouts are provided at the end of each chapter. Key Features • Explains each topic in a step-by-step detail. • Includes about 300 examples to illustrate the concepts. • Offers about 400 objective type questions to quiz students on key points. • Provides about 100 challenging workouts that invite deeper analysis and interpretation of the subject matter. New to the Second Edition • The book reorganized into three parts for better understanding of DBMS concepts. • All the existing chapters thoroughly revised and eight new chapters added. • New chapters discuss Oracle PL/SQL advanced programming concepts, data warehousing, OLTP, OLAP and data mining concepts. • Additional examples, questions and workouts in each chapter. TEACHING AID MATERIAL Teaching Aid Material for all the chapters is provided on the website of PHI Learning, which can be used by the faculties/teachers for delivering lectures. Visit www.phindia.com/gupta to explore the contents.

A book on Computer Applications

This book constitutes the refereed post-proceedings of the 8th International Workshop on Economics of Grids, Clouds, Systems, and Services, GECON 2011, held in Paphos, Cyprus, in December 2011. The 9 revised full papers presented together with 5 work in progress papers were carefully reviewed and selected from 27 papers. The papers are organized in topical sections on market mechanisms and negotiation; cost models, charging, and trading platforms; resource allocation, scheduling, and admission control; and two work in progress sections: risk assessment and economics of cloud services; and cost-aware adoption of cloud services.

Foundation of Information Technology is a judiciously developed series of textbooks on the syllabus devised by the Central Board of Secondary Education for classes 9 and 10. Keeping in mind the grasping power of the students, the books focus on the relevant theory and its applications and practical learning through sequential steps, rather than the elaborate textual study for chapters. Each book is divided into chapters that are self-explanatory and encompass the relevant concepts of the topic concerned. The books do not contain any repetitive content and hence are crisp and condensed. The exercises at the end of the chapters call for active and attentive participation of the learners thereby testing their knowledge and helping in self-assessment. The CCE format of the questions appearing in CBSE exam papers has been followed in developing exercises in the book. There are separate books on MS Office 2010 and OpenOffice in class 9.

This book focuses on the development and implementation of cloud-based, complex software that allows parallelism, fast processing, and real-time connectivity. Software engineering (SE) is the design, development, testing, and implementation of software applications, and this discipline is as well developed as the practice is well established whereas the Cloud Software Engineering (CSE) is the design, development, testing, and continuous delivery of service-oriented software systems and applications (Software as a Service Paradigm). However, with the emergence of the highly attractive cloud computing (CC) paradigm, the tools and techniques for SE are changing. CC provides the latest

software development environments and the necessary platforms relatively easily and inexpensively. It also allows the provision of software applications equally easily and on a pay-as-you-go basis. Business requirements for the use of software are also changing and there is a need for applications in big data analytics, parallel computing, AI, natural language processing, and biometrics, etc. These require huge amounts of computing power and sophisticated data management mechanisms, as well as device connectivity for Internet of Things (IoT) environments. In terms of hardware, software, communication, and storage, CC is highly attractive for developing complex software that is rapidly becoming essential for all sectors of life, including commerce, health, education, and transportation. The book fills a gap in the SE literature by providing scientific contributions from researchers and practitioners, focusing on frameworks, methodologies, applications, benefits and inherent challenges/barriers to engineering software using the CC paradigm.

The CIO's essential manual to leveraging cloud computing as a the business competitive asset. Cloud Computing: Advanced Business and IT Strategies to Extract Tangible Value from the Cloud introduces a business-oriented approach to implementing cloud computing. Philippe Abdoulaye through his concepts of integrated Cloud-Oriented Operating (iCLOOP) model, Cloud Consumer-Provider Service Delivery Model, Operating Model Transformation Cube, IaaS and SaaS Service Delivery Cubes, demonstrates how to leverage cloud and increase businesses' competitiveness. Cloud Computing: Advanced Business and IT Strategies to Extract Tangible Value from the Cloud provides a comprehensive Cloud Transition Life Cycle (TLC) along with a complete set of 50 tools driving the end-to-end transition to cloud. Philippe Abdoulaye's work is a major one; it provides concrete and actionable solutions to cloud transition.

Despite the buzz surrounding the cloud computing, only a small percentage of organizations have actually deployed this new style of IT—so far. If you're planning your long-term cloud strategy, this practical book provides insider knowledge and actionable real-world lessons regarding planning, design, operations, security, and application transformation. This book teaches business and technology managers how to transition their organization's traditional IT to cloud computing. Rather than yet another book trying to sell or convince readers on the benefits of clouds, this book provides guidance, lessons learned, and best practices on how to design, deploy, operate, and secure an enterprise cloud based on real-world experience. Author James Bond provides useful guidance and best-practice checklists based on his field experience with real customers and cloud providers. You'll view cloud services from the perspective of a consumer and as an owner/operator of an enterprise private or hybrid cloud, and learn valuable lessons from successful and less-than-successful organization use-case scenarios. This is the information every CIO needs in order to make the business and technical decisions to finally execute on their journey to cloud computing. Get updated trends and definitions in cloud computing, deployment models, and for building or buying cloud services Discover challenges in cloud operations and

management not foreseen by early adopters Use real-world lessons to plan and build an enterprise private or hybrid cloud Learn how to assess, port, and migrate legacy applications to the cloud Identify security threats and vulnerabilities unique to the cloud Employ a cloud management system for your enterprise (private or multi-provider hybrid) cloud ecosystem Understand the challenges for becoming an IT service broker leveraging the power of the cloud

The fourth edition of Embedded Systems takes a big leap from the fundamentals of hardware to Edge Computing, Embedded IoT & Embedded AI. The book discusses next generation embedded systems topics, such as embedded SoC, Exascale computing systems and embedded systems' tensor processing units. This thoroughly updated edition serves as a textbook for engineering students and reference book for students of software-training institutions and embedded-systems-design professionals. Salient Features: 1. New chapters on IoT system architecture and design & Embedded AI 2. Case studies, such as, of Automatic Chocolate Vending Machine and Automobile Cruise Control 3. Bloom's Taxonomy-based chapter structure 4. Rich Pedagogy o 1000+ Self-assessment questions o 150+ MCQs o 220+ Review questions o 200+ Practice exercises

"This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

This book constitutes the refereed post-conference proceedings of the First International Conference on Intelligent Cloud Computing, held in Muscat, Oman, in February 2014. The 10 revised full papers presented were carefully reviewed and selected from 18 submissions. The papers cover topics in the areas of resource management and energy efficiency and security. They include 5 invited talks from leading organizations working in cloud computing in Oman and in the region. Cloud Computing Interview Questions You'll Most Likely Be Asked is a perfect companion to stand ahead above the rest in today's competitive job market.

This book lays a good foundation to the core concepts and principles of cloud computing, walking the reader through the fundamental ideas with expert ease. The book advances on the topics in a step-by-step manner and reinforces theory with a full-fledged pedagogy designed to enhance students' understanding and offer them a practical insight into the subject

Cloud Computing Concepts and Technologies CRC Press

Cloud computing has quickly become the next big step in security development for companies and institutions all over the world. With the technology changing so rapidly, it is important that businesses carefully consider the available advancements and opportunities before implementing cloud computing in their organizations. The Handbook of Research

on Security Considerations in Cloud Computing brings together discussion on current approaches to cloud-based technologies and assesses the possibilities for future advancements in this field. Highlighting the need for consumers to understand the unique nature of cloud-delivered security and to evaluate the different aspects of this service to verify if it will meet their needs, this book is an essential reference source for researchers, scholars, postgraduate students, and developers of cloud security systems.

The 4th edition of this book has been updated to meet the new requirements of the students, professors, and practitioners. This is an enhanced version of the earlier editions. To update and enhance the coverage of the book, many chapters have been restructured, and some new content/chapters have also been added. In addition, to have better engagement and learning outcomes for the reader, certain new pedagogical features have also been added. **NEW IN THIS EDITION** • A new chapter on 'Ethical and Social Issues' • Applications using MS-Access in the upgraded Chapter 5 – Data Resource Management • Concepts on organisations in Chapter 2 – Information, Systems and Organisation Concepts • Concepts of e-Governance in chapter 7 – e-Commerce, e-Business and e-Governance • Some latest trends and concepts in Chapter 4 – IT Infrastructure • Concepts on Project Management in chapter 12 – IS development and Project Management **KEY FEATURES** • Some new cases have been added, and various case studies from the earlier edition have been updated • New pedagogical elements, such as Objective-type Questions, True/False Questions, Review Questions and Assignments have been added in chapters • Glossary has also been incorporated to get a quick understanding of the terms used in the book • Instructor support has been added on the web through Online Resources

Do you have governance and compliance processes in place for the use of cloud services? Are responsibilities for handling PII stated in the cloud service agreement? Which controls protect admin interfaces exposed to users? What other threats are there (natural disasters, etc.)? What type of virtualization is used by the provider? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are you really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make Cloud computing security investments work better. This Cloud computing security All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Cloud computing security Self-

Assessment. Featuring 952 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Cloud computing security improvements can be made. In using the questions you will be better able to: - diagnose Cloud computing security projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Cloud computing security and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Cloud computing security Scorecard, you will develop a clear picture of which Cloud computing security areas need attention. Your purchase includes access details to the Cloud computing security self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific Cloud computing security Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

Cloud Computing: Theory and Practice provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing

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