

# Computer Architecture Objective Type Questions With Answers

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

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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](http://www.phindia.com/gupta) to explore the contents.

MCQs (Multiple Choice Questions) in COMPUTER ARCHITECTURE is a comprehensive questions answers quiz book for undergraduate students. This quiz book comprises question on COMPUTER ARCHITECTURE practice questions, COMPUTER ARCHITECTURE test questions, fundamentals of COMPUTER ARCHITECTURE practice questions, COMPUTER ARCHITECTURE questions for competitive examinations and practice questions for COMPUTER ARCHITECTURE certification. In addition, the book consists of Sufficient number of COMPUTER ARCHITECTURE MCQ (multiple choice questions) to understand the concepts better. This book is essential for students preparing for various competitive examinations all over the world. Increase your understanding of COMPUTER ARCHITECTURE Concepts by using simple multiple-choice questions that build on each other. Enhance your time-efficiency by reading these on your smartphone or tablet during those down moments between classes or errands. Make this a game by using the study sets to quiz yourself or a friend and reward yourself as you improve your knowledge. This book titled "Basic Computer Knowledge Multiple Choice Questions and Answers (MCQs): Quizzes & Practice Tests with Answer Key" covers mock tests for competitive exams.

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phones, storage devices and functions, supercomputers, tablet PCs, and workstations. The chapter “Operating Systems MCQs” covers topics of operating system basics, operating system processes, operating system structure, Linux operating system, operating system errors, backup utilities, different types of windows, Disk Operating System (DOS), DOS commands, DOS history, user interface commands, user interface concepts, user interfaces, and windows XP. The chapter “Processing Data MCQs” covers topics of microcomputer processor, microcomputer processor types, binary coded decimal, computer buses, computer memory, hexadecimal number system, machine cycle, number systems, octal number system, standard computer ports, text codes, and types of registers in computer. The chapter “Spreadsheet Programs MCQs” covers topics of spreadsheet programs basics, spreadsheet program cells, spreadsheet program functions, and spreadsheet program wizards. The chapter “Windows Operating System MCQs” covers topics of windows operating system, features of windows, window desktop basics, window desktop elements, window desktop types. The chapter “Word Processing MCQs” covers topics of word processing basics, word processing commands, word processing fonts, and word processing menu.

More than a decade in the making, this is a textbook of architecture, useful for every architect: from first-year students, to those taking senior design studio, to graduate students writing a Ph.D. dissertation in architectural theory, to experienced practicing architects. It is very carefully written so that it can be read even by the beginning architecture student. The information contained here is a veritable gold mine of design techniques. This book teaches the reader how to design by adapting to human needs and sensibilities, yet independently of any particular style. Here is a unification of

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[http://en.wikipedia.org/wiki/A\\_Theory\\_of\\_Architecture](http://en.wikipedia.org/wiki/A_Theory_of_Architecture) Nikos A. Salingaros is an internationally known urbanist and architectural theorist who has studied the scientific bases underlying architecture for thirty years. Utne Reader ranked him as “One of 50 visionaries who are changing your world”, and Planetizen as 11th among “The top 100 urban thinkers of all time”. He is Professor of Mathematics at the University of Texas at San Antonio.

In a technology driven world, basic knowledge and awareness about computers is a must if we wish to lead a successful personal and professional life. Today Computer Awareness is considered as an important dimension in most of the competitive examinations like SSC, Bank PO/Clerk & IT Officer, UPSC & other State Level PSCs, etc. Objective questions covering Computer Awareness are asked in a number of competitive exams, so the present book which will act as an Objective Question Bank for Computer Awareness has been prepared keeping in mind the importance of the subject. This book has been divided into 22 chapters covering all the sections of Computer Awareness like Introduction to Computer, Computer Organisation, Input & Output Devices,



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Digital Design and Computer Architecture: ARM Edition covers the fundamentals of digital logic design and reinforces logic concepts through the design of an ARM microprocessor. Combining an engaging and humorous writing style with an updated and hands-on approach to digital design, this book takes the reader from the fundamentals of digital logic to the actual design of an ARM processor. By the end of this book, readers will be able to build their own microprocessor and will have a top-to-bottom understanding of how it works.

Beginning with digital logic gates and progressing to the design of combinational and sequential circuits, this book uses these fundamental building blocks as

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the basis for designing an ARM processor.

SystemVerilog and VHDL are integrated throughout the text in examples illustrating the methods and techniques for CAD-based circuit design. The companion website includes a chapter on I/O systems with practical examples that show how to use the Raspberry Pi computer to communicate with peripheral devices such as LCDs, Bluetooth radios, and motors. This book will be a valuable resource for students taking a course that combines digital logic and computer architecture or students taking a two-quarter sequence in digital logic and computer organization/architecture. Covers the fundamentals of digital logic design and reinforces logic concepts through the design of an ARM microprocessor.

Features side-by-side examples of the two most prominent Hardware Description Languages (HDLs)—SystemVerilog and VHDL—which illustrate and compare the ways each can be used in the design of digital systems. Includes examples throughout the text that enhance the reader's understanding and retention of key concepts and techniques. The Companion website includes a chapter on I/O systems with practical examples that show how to use the Raspberry Pi computer to communicate with peripheral devices such as LCDs, Bluetooth radios, and motors. The Companion website also includes appendices covering practical digital design issues and C programming as well as

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links to CAD tools, lecture slides, laboratory projects, and solutions to exercises.

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Overview: This book aims to demystify the subject using a simplified step-wise approach of going from the basic fundamentals concepts to advanced concepts. The approach, combined with the numerous illustrations and other pedagogical features of the book, makes it an invaluable resource for the students. Features: • New chapters on File Systems and Information Management & Disk Scheduling • Enhanced coverage on Computer Architecture, Operating Systems- Functions and Structure, Process Synchronization, Dead locks and Memory Management • Good coverage of Parallel Processing, Security and Protection

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