

FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION, APRIL 2021

Computer Science

BCS 4B 05—DATABASE MANAGEMENT SYSTEM AND RDBMS

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)*Answer at least eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. What is the difference between database schema and database instance ?
2. What is meant by E-R models ?
3. What is meant by weak entity ?
4. What is the meaning of foreignkey ?
5. Define functional dependency.
6. What is the impact of primary key constraint ?
7. Describe DCL.
8. What is view ? How to create view ?
9. What is Alter command in SQL ?
10. What is BCNF ?
11. What is atomicity in DBMS ?
12. What do you mean by two-phase locking ?

(8 × 3 = 24 marks)

Section B (Short Essay Type Questions)*Answer at least five questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

13. What is data independence ? Explain the difference between physical and logical data independence.
14. Explain the different types of attributes occurs in E-R model.

Turn over

Bsc Computer Science Dbms Question Paper

Arshad Iqbal



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Database Management System (For Computer Engineering, University of Mumbai) Safa Hamdare, Bhavesh Pandya & Aseem Kumar Sen, Written Strictly as per Mumbai University syllabus this book provides a complete guide to the theoretical as well as the practical implementation of DBMS concepts including E R Model Relational Algebra SQL queries Integrity Security Database design Transaction management Query processing and Procedural SQL language This book assumes no prior knowledge of the reader on the subject KEY FEATURES Large number of application oriented problem statements and review exercises along with their solutions are provided for hands on practice Includes 12 University Question paper for C E department Dec 08 May 14 with solutions to provide an overview of University Question pattern Lab manual along with desired output for queries is provided as per recommendations by Mumbai University All the SQL queries mentioned in the book are performed and applicable for Oracle DBMS tool **Database Management System Questions and Answers PDF** Arshad Iqbal, The Database Management System Quiz Questions and Answers PDF DBMS Competitive Exam Questions Chapter 1 14 Practice Tests Class 8 12 DBMS SQL Textbook Questions for Beginners includes revision guide for problem solving with hundreds of solved questions Database Management System Questions and Answers PDF book covers basic concepts analytical and practical assessment tests Database Management System Quiz PDF book helps to practice test questions from exam prep notes The Database Management System Quiz Questions and Answers PDF eBook includes revision guide with verbal quantitative and analytical past papers solved tests Database Management System Questions and Answers PDF Free download chapter 1 a book covers solved common questions and answers on chapters Modeling entity relationship model database concepts and architecture database design methodology and UML diagrams database management systems disk storage file structures and hashing entity relationship modeling file indexing structures

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Multiple Choice Questions in Computer Science Ela Kumar, 2013-12-30 The present book aims to provide a thorough account of the type of questions asked in various competitive examinations conducted by UPSC public sector organizations private sector companies etc and also in GATE It covers almost all the important and relevant topics namely **DBMS MCQ (Multiple Choice Questions)** Arshad Iqbal, The DBMS Multiple Choice Questions MCQ Quiz with Answers PDF DBMS MCQ PDF Download Quiz Questions Chapter 1 24 Practice Tests with Answer Key Database Management System Questions Bank MCQs Notes includes revision guide for problem solving with hundreds of solved MCQs DBMS MCQ with Answers PDF book covers basic concepts analytical and practical assessment tests DBMS MCQ PDF book helps to practice test questions from exam prep notes The DBMS MCQs with Answers PDF eBook includes revision guide with verbal quantitative and analytical past papers solved MCQs DBMS Multiple

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Guide To Database Management Systems (q & A) Prof.Satish Jain, This guide contains questions with answers likely to be asked in the question paper set for DBMS for B E Comp Sc MCA M Sc IT PGDCA and other IT related examinations It includes eight Chapters and each chapter contains important questions with answers This guide covers questions related to concepts of DBMS architecture administration and fundamentals of database design It covers topics like entity relationship diagram normalization aggregation functional dependencies and clustering It contains questions related to transaction processing security concurrency control database recovery and query processing Separate chapters are added to give coverage of SQL and Relational Algebra and Calculus Ample numbers of diagrams are used to illustrate the answers for easy understanding Sample papers with answers are also added at the end of this guide to evaluate progress buy readers Separate section is added to cover short questions with answers to prepare readers to answers objective type of questions that might be asked in examination and to assess their comprehension about the entire subject A glossary of numerous technical terms is included for easy understanding of the subject matter

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normal form ontology and semantic web ordered records project operation query graphs notations query trees notations relation schema design relational algebra operations and set theory *UGC NET unit-4 COMPUTER SCIENCE Database Management Systems book with 600 question answer as per updated syllabus* DIWAKAR EDUCATION HUB ,2022-08-30 UGC NET Computer Science unit 4 **Database Management System** Jagdish Chandra Patni,Hitesh Kumar Sharma,Ravi Tomar,Avita Katal,2022-01-26 A database management system DBMS is a collection of programs that enable users to create and maintain a database it also consists of a collection of interrelated data and a set of programs to access that data Hence a DBMS is a general purpose software system that facilitates the processes of defining constructing and manipulating databases for various applications The primary goal of a DBMS is to provide an environment that is both convenient and efficient to use in retrieving and storing database information It is an interface between the user of application programs on the one hand and the database on the other The objective of Database Management System An Evolutionary Approach is to enable the learner to grasp a basic understanding of a DBMS its need and its terminologies discern the difference between the traditional file based systems and a DBMS code while learning to grasp theory in a practical way study provided examples and case studies for better comprehension This book is intended to give under and postgraduate students a fundamental background in DBMSs The book follows an evolutionary learning approach that emphasizes the basic concepts and builds a strong foundation to learn more advanced topics including normalizations normal forms PL SQL transactions concurrency control etc This book also gives detailed knowledge with a focus on entity relationship ER diagrams and their reductions into tables with sufficient SQL codes for a more practical understanding *DATABASE MANAGEMENT SYSTEM 600 MCQ FOR IT EXAMS* Harry Chaudhary,2018-03-12 *DATABASE MANAGEMENT SYSTEM 600 MCQ FOR IT EXAMS CRACK IT EXAMS INTERVIEWS 100% WATCH FREE TECHNICAL COMPUTER SCIENCE VIDEOS TO CRACK IT EXAMS INTERVIEWS* <https://www.youtube.com/channel/UCBvX7jxmOSQMhvCjWLYJig> videos [IGNOU PGDCA MCS 207 Database Management Systems Previous Years Unsolved Papers](#) Manish Soni,2024-11-13 The field of Database Management Systems DBMS is a cornerstone of modern information technology playing a critical role in how data is stored managed and retrieved in today s data driven world As organizations across the globe increasingly rely on efficient data management to drive their operations the demand for skilled professionals in DBMS continues to grow Recognizing the significance of this field the Indira Gandhi National Open University IGNOU has incorporated Database Management Systems as a key component of its curriculum challenging students to master both the theoretical frameworks and practical skills necessary to excel in this domain This book *IGNOU Database Management Systems Previous Years Unsolved Papers MCS 207* is a thoughtfully compiled collection of unsolved question papers from previous years It is designed to serve as an indispensable resource for students preparing for their exams in DBMS The primary aim of this book is to equip students with a comprehensive tool to self assess their understanding pinpoint areas that require further study and enhance their problem solving capabilities We

believe that practicing with previous years question papers is one of the most effective strategies for exam preparation. It not only familiarizes students with the types and formats of questions they may encounter but also deepens their grasp of the subject matter by applying concepts to practical real world scenarios. By working through these unsolved papers students will be able to evaluate their readiness, improve their time management skills during exams and build the confidence needed to tackle complex questions. The choice to leave the papers unsolved is intentional. We encourage students to engage actively with the material, think critically and explore various approaches to solving the problems presented. This method promotes independent learning and ensures that students are well prepared to adapt to the diverse question formats and difficulties they may face during the actual exams. This book covers a broad spectrum of topics within Database Management Systems including relational database design, SQL, transaction management, normalisation and data security. Each paper has been carefully selected to provide comprehensive coverage of the syllabus offering students a thorough understanding of the core concepts essential for success in their exams. We hope that this book will not only support students in their academic pursuits but also inspire them to delve deeper into the field of Database Management Systems. As technology continues to evolve the knowledge and skills gained in DBMS will be instrumental in shaping the future of data management and information systems. We would like to extend our sincere thanks to the IGNOU faculty and students who contributed to the development of this book. Your feedback and insights have been invaluable in ensuring that this book meets the needs of today's learners. I wish you success in your studies and your future endeavours in the field of database management systems.

MCQs in DBMS and Data Communications Samantha Abraham, 2017-04-02. Multiple Choice Questions related to DBMS and Data Communications with answer keys. It is helpful for Undergraduates and Postgraduates who are pursuing Computer Science related studies. The book focuses on all areas of DBMS and Data Communications covering many important topics.

Database Management System (DBMS): A Practical Approach, 5th Edition Chopra Rajiv, This comprehensive book now in its Fifth Edition continues to discuss the principles and concept of Database Management System DBMS. It introduces the students to the different kinds of database management systems and explains in detail the implementation of DBMS. The book provides practical examples and case studies for better understanding of concepts and also incorporates the experiments to be performed in the DBMS lab. A competitive pedagogy includes Summary MCQs, Conceptual Short Questions with answers and Exercise Questions.

MCS-023: Introduction to Database Management Systems Dr. DK Sukhani, This book is useful for IGNOU BCA MCA students. A perusal of past questions papers gives an idea of the type of questions asked, the paper pattern and so on. It is for this benefit we provide these IGNOU MCS 023 Introduction to Database Management Systems Notes. Students are advised to refer these solutions in conjunction with their reference books. It will help you to improve your exam preparations.

Overview of DBMS, Basic DBMS terminology, data base system v s file system, data independence, Architecture of a DBMS, Introduction to data models, entity relationship model, hierarchical model, network

to hierarchical relational model comparison of network hierarchical and relational models Data modeling using the Entity Relationship Model ER model concepts notation for ER diagram mapping constraints keys Concepts of Super Key candidate key primary key Generalization aggregation reduction of an ER diagrams to tables extended ER model relationships of higher degree Relational model storage organizations for relations relational algebra relational calculus Normalization Functional dependencies normal forms first second third normal forms BCNF inclusion dependencies loss less join decompositions normalization using FD MVD and JDs alternative approaches to database design Introduction to SQL Characteristics of SQL Advantages of SQL SQL data types and literals Types of SQL commands SQL operators and their procedure Tables views and indexes Queries and sub queries Aggregate functions insert update and delete operations Joins Unions Intersection Minus in SQL Published by MeetCoogle **Khanna S Question Bank** Ravichandran,2013 Web Technology Application Software Programming with C UNIX Principles of Programming Languages Operating Systems Automata Theory Compiler Design Computer Organization Data Structures SQL PLUS PL SQL Forms and Reports Database Management Systems Computer Networks and Security Object Oriented Programming using C Software Engineering System Software Computer Graphics JAVA Programming Computer Science Question Paper for GATE 2007 Computer Science Questions Paper for GATE 2008 Computer Science Questions Paper for GATE 2009 **Database Management System MCQs: Multiple Choice Questions and Answers (Quiz & Tests with Answer Keys)** Arshad Iqbal,2016

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