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

Prof.Satish Jain

Bsc Computer Science Dbms Question Paper:

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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 (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   **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   **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   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   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 from 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 **Database Management System MCQs: Multiple Choice Questions and Answers (Quiz & Tests with Answer Keys)** Arshad Iqbal,2016 **BDL Trainee Engineer (Computer Science) Exam PDF-Bharat Dynamics Ltd Exam-Computer Science Engineering Subject Practice Sets PDF** Chandresh Agrawal,Nandini Books,2025-08-01 The BDL Trainee Engineer Computer Science Exam PDF Bharat Dynamics Ltd Exam Computer Science Engineering Subject Practice Sets PDF Covers Objective Questions With Answers

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