

[4139] - 203
M.Sc. (Sem. - II)
COMPUTER SCIENCE
CS - 203 : Data Mining and Data Warehousing
(2011 Pattern)

Time : 3 Hours]

[Max Marks : 80

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*

Q1) Answer any eight of the following :

[8 × 2 = 16]

- a) Discuss whether the following is a data mining task.
"Monitoring the heart rate of a patient for abnormalities".
- b) What is meant by pattern?
- c) What is a concept hierarchy?
- d) List various components of a data warehouse.
- e) Give an example of classification using prediction.
- f) What do you mean by cross-validation?
- g) What are the potential applications of data mining?
- h) What is a cluster?
- i) How do we tokenize text?
- j) What is a hub?

Q2) Answer any four of the following :

[4 × 4 = 16]

- a) Explain steps involved in Knowledge Discovery.
- b) Explain the OLAP operations in multidimensional data model.
- c) What are the issues to be considered during data integration?
- d) Define Support and Confidence in Association rule mining. What is the purpose of Apriori algorithm?
- e) Explain the preprocessing steps applied to data to improve accuracy, efficiency and scalability of the classification or prediction process.
- f) Explain the method that mines the complete set of frequent itemsets without candidate generation.

P.T.O.

Datawarehousing And Data Mining Question Papers

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DATA WAREHOUSING AND DATA MINING QUESTION BANK WITH ANSWERS: A COMPREHENSIVE HANDBOOK S. R.

Jena, Dr. Isha Yadav, Dr. Aman Sharma, 2025-03-19 In the ever evolving landscape of data management and analytics the fields of Data Warehousing and Data Mining have become crucial for organizations and researchers alike Data warehousing facilitates efficient storage retrieval and analysis of vast amounts of structured data while data mining uncovers hidden patterns relationships and insights that drive decision making With the growing importance of big data artificial intelligence and business intelligence solutions mastering these concepts is essential for students professionals and academicians Recognizing the need for a structured and comprehensive resource we the authors have meticulously designed this book Data Warehousing and Data Mining Question Bank with Answers A Comprehensive Handbook to serve as a one stop solution for learners preparing for academic examinations competitive tests and professional certifications This book aims to provide well organized concept driven and exam oriented content in the form of a question bank making it a valuable asset for anyone looking to gain expertise in these domains Why This Book Concise yet Comprehensive Covers theoretical concepts practical applications and industry trends in a question answer format Exam Oriented Approach Ideal for university exams technical interviews and competitive exams Industry Relevant Examples Demonstrates real world applications of data warehousing and data mining techniques Simplified Language Ensures clarity making it accessible for both beginners and advanced learners Who Should Read This Book This book is tailored for Undergraduate and Postgraduate Students in Computer Science Information Technology and Data Analytics Competitive Exam Aspirants preparing for GATE UGC NET and other certification exams Data Analysts Data Engineers and IT Professionals looking to strengthen their understanding of data warehousing and mining techniques Academicians and Researchers exploring emerging trends and practical applications in the field Acknowledgements We the authors are deeply thankful to our Director NIET NIMS University Prof Dr Ashutosh Tripathi Head of the Department Prof Dr Vineet Mehan and all faculty members for their constant encouragement and support We also extend our sincere gratitude to the management of NIMS University for their invaluable assistance

Database Management System (DBMS) A Practical Approach Rajiv Chopra, 2010 Many books on Database Management Systems DBMS are available in the market they are incomplete very formal and dry My attempt is to make DBMS very simple so that a student feels as if the teacher is sitting behind him and guiding him This text is bolstered with many examples and Case Studies In this book the experiments are also included which are to be performed in DBMS lab Every effort has been made to alleviate the treatment of the book for easy flow of understanding of the students as well as the professors alike This textbook of DBMS for all graduate and post graduate programmes of Delhi University GGSIPU Rajiv Gandhi Technical University UPTU WBTU BPUT PTU and so on The salient features of this book are 1 Multiple Choice Questions 2 Conceptual Short Questions 3 Important Points are highlighted Bold faced 4 Very lucid and simplified approach

5 Bolstered with numerous examples and CASE Studies 6 Experiments based on SQL incorporated 7 DBMS Projects added Question Papers of various universities are also included Computer Science and Application Previous Question Papers NET JRF Mocktime Publication, Computer Science and Application Previous Question Papers NET JRF UGC CBSE Net Jrf previous year solved papers net jrf paper 1 and paper 2 net jrf paper I and paper II teaching and research aptitude paper 1 paper I net jrf exam guide manual books net jrf previous year questions mcq **Management UGC NET Question Bank Chapterwise Assistant Professor and Lecturer Exams** Mocktime Publication, Management UGC NET Question Bank Chapterwise Assistant Professor and Lecturer Exams **14 Computer Science and Applications** Mocktime Publication,101-01-01 generated by python docx **UGC NET Management (17) Practice Question Bank Include 4000 + Question Answer With Solution (MCQ) As Per Updated Syllabus** DIWAKAR EDUCATION HUB,2021-09-07 MCQs Highlights 1 Complete Units Cover Include All 10 Units Question Answer 2 400 Practice Question Answer Each Unit 3 Total 4000 Practice Question Answer 4 Try to take all topics MCQ 5 Include Oriented Most Expected Question Answer 6 As Per the New Updated Syllabus 7 All Question With Answer Explanations For More Details Call 7310762592 **CAIIB: Information Technology & Digital Banking (Question Bank 2000 MCQs Chapterwise)** Mocktime Publication, CAIIB Information Technology Digital Banking Question Bank 2000 MCQs Chapterwise Syllabus Exam Pattern Previous Papers **JAIIB II Question Bank II MCQ II Latest Book II For 2025 Exam II Paper 1,2,3 & 4 II All Modules II 3500 MCQ II With Details Solution & Answers II As Per Exam Level Pattern II 2nd Edition II Include Numerical Question also II By Diwakar Education Hub** ,2025-05-18 Book Description This comprehensive and updated JAIIB Question Bank by Diwakar Education Hub is specially designed for candidates preparing for the 2025 JAIIB Exam covering all four papers Paper 1 Indian Economy Indian Financial System IE IFS Paper 2 Principles Practices of Banking PPB Paper 3 Accounting Financial Management for Bankers AFM Paper 4 Retail Banking Wealth Management RBWM Key Features 3500 Multiple Choice Questions MCQs Carefully crafted questions as per the latest IIBF exam pattern and syllabus Detailed Explanations Answers Each question is provided with a clear explanation ensuring better understanding and concept clarity Covers All Modules All modules of each paper are covered in a structured module wise format for easier navigation and learning Includes Numerical Questions Special emphasis on numerical and problem solving questions especially for Paper 3 AFM aligned with exam trends 2nd Revised Edition Updated with the latest pattern and regulatory guidelines ideal for aspirants appearing in the May October 2025 attempts Expert Curated Content Developed by experienced banking educators to meet the exact standards of JAIIB difficulty level **JAIIB: Principles & Practices of Banking (PPB) (Question Bank 2000 MCQs Chapterwise)** Mocktime Publication, JAIIB Principles Practices of Banking PPB Question Bank 2000 MCQs Chapterwise Syllabus Exam Pattern Previous Papers **Data Mining and Warehousing** S. Prabhu,Na Venkataçcan,2007 Data Mining is the process of analyzing large amount of data in search of previously undiscovered business patterns Data Warehousing is a

relational multidimensional database that is designed for Query and Analysis rather than Transaction Processing This book provides a systematic introduction to the principles of Data Mining and Data Warehousing It covers the entire range of data mining algorithms prediction classification and association data mining products and applications stages

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