



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous)
(ISO/IEC - 27001 - 2013 Certified)

Summer -23 EXAMINATION
Subject Name: Database Management System

Model Answer

Subject Code: 22319

Important Instructions to examiners:

- 1) The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- 2) The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- 3) The language errors such as grammatical, spelling errors should not be given more importance (Not applicable for subject English and Communication Skills).
- 4) While assessing figures, examiner may give credit for principal components indicated in the figure. The figures drawn by candidate and model answer may vary. The examiner may give credit for any equivalent figure drawn.
- 5) Credits may be given step wise for numerical problems. In some cases, the assumed constant values may vary and there may be some difference in the candidate's answers and model answer.
- 6) In case of some questions credit may be given by judgement on part of examiner of relevant answer based on candidate's understanding.
- 7) For programming language papers, credit may be given to any other program based on equivalent concept.

Q. No.	Sub Q. N.	Answer	Marking Scheme
1.		Attempt any Six of the following:	12M
	a	Define Relational Database Management System.	2M
	Ans	RDBMS is Relational Database Management System which is an environment where data is represented in the form of relations, with enforced relationships between the tables.	Correct definition 2M
	b	List four applications of database management system.	2M

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Léo Pomar



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OUTCOME-BASED CURRICULUM IN ENGINEERING EDUCATION EARNEST, JOSHUA, GUPTA, SHASHI

KANT, 2021-11-02 Engineering Education has emerged as a fast developing discipline in itself with universities across the world opening up exclusive Departments of Engineering Education which is also impacting the socio economic system in India. Most of the engineering institutions in India are part of the hub and spoke university education system unique to India. Scientifically developing the Outcome based Curriculum OBC uniformly across India has been a daunting task due to the dearth of an authentic book on OBC addressing the need of the Indian Engineering Education System. This being the first book of its kind in India and with OBC serving as the Constitution of Outcome based Education OBE it will go a long way to address this need. The unique feature of this book is that it is replete with examples to explain the various concepts of planning, designing and implementing the OBC in engineering institutions. Different aspects of Outcome based Teaching Learning OBTL and Outcome based Assessment OBA are also discussed vividly. Apart from the examples weaved into the lucidly written seven chapters, additional examples and important formats are provided in the Annexures, another unique feature of this book. Every engineering UG PG or Diploma teacher would be happy to possess a personal copy of this book for 24x7 access which will help to clear their doubts as it arises then and there. **TARGET AUDIENCE** Technical Instruction Technical Teacher Trainers Curriculum Specialists Instructional Designers Education Policy Makers. What the reviewers say: The technical education has to adopt Outcome Based Curriculum and there was a dire need of authentic literature which would serve as a base document for scientifically developing OBC. The book reflects the expertise of both the authors who have more than 30 years of experience in industry and academics in designing and implementing different variants of OBC for various technical education programmes. Such a book will serve as a reference for future generations to avoid re-inventing the wheel again and again. Dr M P Poonia, Vice Chairman AICTE, National Institute of Technical Teacher Training and Research, NITTTR Bhopal, has been spearheading different forms of OBC for the last five decades in which the authors have contributed substantially. Care has been taken such that this book will not only benefit the Indian engineering education system but also the engineering teaching fraternity at the international context. Dr C Thangaraj, Director NITTTR Bhopal.

Ladder for Exit Exam Mansi Singh, Pankaj Kumar, Shivani Saxena, Sanjesh Kumar, 2022-07-12 The book contains all the important Pharmacy subjects for exit exam for diploma students with proper study material for revision and MCQs for Practice Learning Objectives Related to knowledge. At the end of the course, the student will be able to: 1. Describe the basic theories of all the pharmacy subjects prescribed for exit exam. 2. Concise format enables students to quickly learn subjects with ease. 3. Multiple Choice Questions for practice. 4. Revision with theory and practice sheets of MCQs. **C**

LANGUAGE FOUNDATION Textbook for BCA UG Course Dr. Madhav Motiram Bokare, Both novice and experienced programmers will gain from the lengthy exercise and multiple examples provided to walk readers through each idea. The

correct is shown by dissecting programme code step by step The application of C language constructs and their syntax as well as the underlying reasoning behind them The structure and clarity of the book s exposition make it a superb resource for all things C Each of these domains can be addressed by applications written in C and all C features required to write such applications are covered Because sophisticated data structuring concepts like enumeration types unions self referential structures and ragged arrays are covered this book is suitable for a data structures course

Client Side Scripting

Anuradha A. Puntambekar,2020-12-01 JavaScript is an important scripting language for almost every modern web application It is simple for beginners but complex when you build a full scale application The book is extremely user friendly It assumes no programming experience and helps the students to learn the JavaScript in step by step manner with the help of illustrative examples The first two units cover the fundamental concepts of JavaScript such as variables operators control structures arrays functions and strings In the third unit the concept of form and event handling is discussed This feature of JavaScript help us to design the interactive web page with graphical user interface In the next subsequent chapter the book demonstrates how to create and manage cookies how to create browser history implementation of form validation with the help of regular expressions creating rollover effects and creating and handling frames At the end the book illustrates creation of banner management of status bar and creation of slideshows using JavaScript This book serves the purpose of teaching JavaScript in the simplest and easiest manner

Electrical Technology Dilip G. Tulshiramji,Gautami A. Pujare,Kiran

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menghitung nilai energy e yang diperkenankan