

## MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

(ISO/IEC - 27001 - 2013 Certified)

#### WINTER- 18 EXAMINATION

Subject Name: Data Structure using C

Model Answer

Subject Code:

22317

#### Important Instructions to examiners:

- The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- 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.
- 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.
- In case of some questions credit may be given by judgement on part of examiner of relevant answer based on candidate's understanding.
- 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 FIVE of the following :	10 M
	a	Define the term algorithm.	2 M
	Ans	Algorithm is a stepwise set of instructions written to perform a specific task.	Correct definition 2M
	ь	List any 4 applications of queue.	2 M
	Ans	<ul> <li>In computer system to maintain waiting list for single shared resources such as printer, disk, etc.</li> <li>It is used as buffers on MP3 players, iPod playlist, etc.</li> <li>Used for CPU scheduling in multiprogramming and time sharing systems.</li> <li>In real life, Call Center phone systems will use Queues, to hold people calling them in an order, until a service representative is free.</li> </ul>	Any four apllications- 1/2 M each

## **Msbte Model Question Paper**

Anuradha A. Puntambekar

#### **Msbte Model Question Paper:**

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 and 3 Multiple Choice Questions for practice 4 Revision with theory and practice sheets of MCQs 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 Laxmikant Inamdar. **Utilization of Electrical Energy** Prof. Anmol D. Ganer, This book explores how electrical energy is applied in various industries and applications focusing on topics like illumination heating welding and traction These books are often tailored for Electrical Engineering students and professionals covering the required Question and Answers solution for deeply and interestingly preparation of their MSBTE exam This book has also includes the easy solution of previous MSBTE paper with Solved Model answers They also address the importance of energy efficiency and sustainability in the context of Indian infrastructure and industry

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