



WINTER- 18 EXAMINATION

Subject Name: Data Structure using C

Model Answer

Subject Code:

22317

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 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
	b	List any 4 applications of queue.	2 M
	Ans	<ul style="list-style-type: none">• In computer system to maintain waiting list for single shared resources such as printer, disk, etc.• It is used as buffers on MP3 players, iPod playlist, etc.• Used for CPU scheduling in multiprogramming and time sharing systems.• In real life, Call Center phone systems will use Queues, to hold people calling them in an order, until a service representative is free.	Any four applications- 1/2 M each

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Table of Contents Model Answer Paper Of Msbte 6th Semester 12219

1. Understanding the eBook Model Answer Paper Of Msbte 6th Semester 12219
 - The Rise of Digital Reading Model Answer Paper Of Msbte 6th Semester 12219
 - Advantages of eBooks Over Traditional Books
2. Identifying Model Answer Paper Of Msbte 6th Semester 12219
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Model Answer Paper Of Msbte 6th Semester 12219
 - User-Friendly Interface
4. Exploring eBook Recommendations from Model Answer Paper Of Msbte 6th Semester 12219
 - Personalized Recommendations
 - Model Answer Paper Of Msbte 6th Semester 12219 User Reviews and Ratings

- Model Answer Paper Of Msbte 6th Semester 12219 and Bestseller Lists
- 5. Accessing Model Answer Paper Of Msbte 6th Semester 12219 Free and Paid eBooks
 - Model Answer Paper Of Msbte 6th Semester 12219 Public Domain eBooks
 - Model Answer Paper Of Msbte 6th Semester 12219 eBook Subscription Services
 - Model Answer Paper Of Msbte 6th Semester 12219 Budget-Friendly Options
- 6. Navigating Model Answer Paper Of Msbte 6th Semester 12219 eBook Formats
 - ePub, PDF, MOBI, and More
 - Model Answer Paper Of Msbte 6th Semester 12219 Compatibility with Devices
 - Model Answer Paper Of Msbte 6th Semester 12219 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Model Answer Paper Of Msbte 6th Semester 12219
 - Highlighting and Note-Taking Model Answer Paper Of Msbte 6th Semester 12219
 - Interactive Elements Model Answer Paper Of Msbte 6th Semester 12219
- 8. Staying Engaged with Model Answer Paper Of Msbte 6th Semester 12219
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Model Answer Paper Of Msbte 6th Semester 12219
- 9. Balancing eBooks and Physical Books Model Answer Paper Of Msbte 6th Semester 12219
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Model Answer Paper Of Msbte 6th Semester 12219
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Model Answer Paper Of Msbte 6th Semester 12219
 - Setting Reading Goals Model Answer Paper Of Msbte 6th Semester 12219
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Model Answer Paper Of Msbte 6th Semester 12219
 - Fact-Checking eBook Content of Model Answer Paper Of Msbte 6th Semester 12219
 - Distinguishing Credible Sources

13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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