

## MARWADI UNIVERSITY, FACULTY OF COMPUTER APPLICATIONS

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### Strategic Coaching

<b>Branch/ Semester</b>	Master of Computer Application
<b>Subject Code:</b>	05MC0101
<b>Subject Name:</b>	DATA STRUCTURE USING C
<b>Faculty Members:</b>	Dr. Sunil Bajaja Prof. Jitesh Solanki Prof. Abhishek Chauhan
<b>Work Allocation:</b>	<b>Based on Marks below</b>
Set-1	0-12
Set-2	13-18
Set-3	19-30

**Note:**Before Uploading in Student Subject Performance Module

1. **Remember to write your Full DIGIT Enrolment number on top of every page.**
2. Consider above question in brief explanation only.
3. Length and Quality of answers will be considered as proper answer.
4. Short answers will be rejected.
5. It must be done in Student Subject Performance Module only.
6. It should be completed in the given period of Date and Time only.

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Sr.no	Questions
Set : 1	
1	Describe categories of data structure
2	Differentiate top down and bottom up approach of algorithm.
3	Describe complexity and its types
Set :2	
1	Discuss data representation in detail.
2	Discuss atomic type and abstract type.
3	Describe big O Notation
Set : 3	
1	Write a program that defines a two-dimensional array of size 3x4, where each element is a pointer to an integer. Initialize the array with integer values dynamically and print each value using the pointers.
2	Write a program that defines a pointer to an array of 5 integers. Initialize the array, and print its elements by dereferencing the pointer.