

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Bachelor of Computer Application

B.C.A. II Semester-III (2023-24)

Data Structure Paper-III

Result of Unit Test held on 17/10/2023 on Unit I & II

Name of the teacher: Anjali Milind Pakhidde

Sr. no	Name of Students	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	22
2	AAYUSH RAJENDRA TAREKAR	14
3	ABHISHEK SANJAY THOKAL	30
4	ADITYA KAILAS MANE	27
5	AISHWARYA NAMDEV LATKAR	13
6	AKANKSHA AJAYKUMAR SHENDE	27
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68	PRATHMESH SHRAWAN ZADE	AA

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120	YOG RAMESH PATLE	23
121	ANURAG MISHRA	18
121	SHLOK YADAV	26

Signature of the Teacher

**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S. S. E. S. Am's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024**

B.C.A. II Semester-III (2023-24)

Data Structure Paper-III

UNIT I

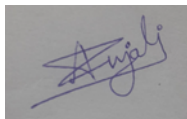
Que 1. Solve any three

1. What is Linked List ? What are the types of linked list ? 5
2. How polynomial expression can be represented using linked list . 5
3. Write an algorithm to insert a node at the beginning of linked list. 5
4. Write an algorithm to search an element in a linked list. 5

UNIT II

Que 2. Solve any three

1. Write an algorithm to convert Infix expression to Postfix expression. 5
2. Explain Quicksort method with suitable example. 5
3. Evaluate the Postfix Notation. (Using Application of STACK) 5
5, 12, 4, -, *, 8, 2, |, +.
4. Write a recursive algorithm for Tower of Hanoi Problem. 5



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B.C.A. II Semester-IV (2023-24)

Data Structure Paper-III

Result of Unit Test held on 13/11/2023 on Unit III & IV

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Data Structure Paper-I

UNIT III

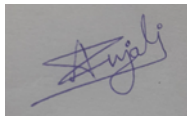
Que 1. Solve any three

1. What is a Queue ? Explain array representation of queue in memory. 5
2. Explain selection sort method with suitable example. 5
3. What is Hashing ? Explain collision resolution technique. 5
4. Write an algorithm to insert element in circular queue. 5

UNIT IV

Que 2. Solve any three

1. What is Tree ? Explain the concept of Binary Search Tree. 5
2. Explain : 5
Graphs.
Multigraphs. 5
3. Explain BSF traversing on graphs. 5
4. Write an algorithm for preorder traversal of Binary Tree. 5



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