Subject: Data Structures

SYBSc. CS - Semester III
ASSIGNMENT

ASSIGNMENT 1

Write any 5 answers of the following

1) What is Data Structure and explain its Classification.

2) Write the Algorithm to perform enqueue operation on circular Queue.

3) Write the Algorithm to perform dequeue Operation on circular Queue.

4) Algorithm to perform insertion operation after a particular element in singly link list.

5) Write the Algorithm to perform deletion of a particular element in a singly linked list.

6) Convert the following into prefix and postfix notation.

7) Write an algorithm to perform dequeue operation a queue using Linked list representation

8) Write the algorithm to perform push operation on a stack using array and linked list representation.

ASSIGNMENT 2

Write any 5 answers of the following

1) Difference between Array & linked list

2) Advantages and Disadvantage of linked list

3) Difference between Stack & Queue.

4) Advantages & Disadvantages of Stack

5) Advantages & Disadvantages of Queue

6) Convert the following into prefix and postfix notation

7) Write an algorithm to perform enqueue operation a queue using Linked list representation

8) Write the algorithm to perform push operation on a stack using array and linked list representation.