

BCA-II
(Session: 2022-25)

Assignment
Paper - XI
Data Structures

Answer the following questions

1. Define data structure. Discuss various data structures in brief. Support your discussion with appropriate diagrams. [3+12]
2. Discuss the types of linked list in details. Write a program to search an element in linked list. [10+5]
3. Describe tree and its types with their properties and appropriate diagrams. List down the applications of tree. [10+5]
4. Describe graph along with its applications. Write Dijkstra's Algorithm for shortest path. [8+7]