**Data structure Important questions**

**UNIT-2**

Linked List important questions.

2 Marks

1. Write the node structure for single linked list
2. Write the node structure for double linked list.
3. Write the node structure for polynomial equation.
4. What is the drawback of single linked list?
5. What is the drawback of circular linked list?
6. What is the advantage of double linked list?
7. What are the applications of linked list?

Long answer questions

1. Implement stack using linked list.
2. Implement queue using linked list.
3. Implement insertion (anyone insertion), deletion (anyone deletion) on single linked list, circular linked list or double linked list.
4. C Program to implement polynomial addition
5. C Program to create lined list.

**UNIT-3**

2 Marks

1. Read the definitions related to tree terminologies.
2. Define Tree, Binary tree and Binary search tree.
3. List the tree traversal techniques.

Long answer questions

1. Construct binary tree for the given inorder and pre order
2. Construct binary tree for the given inorder and postorder.
3. Construct Binary search tree for the given preoder.
4. Construct binary search tree for the give postorder.
5. Derive in-order, pre-order and post-order for the given binary tree or Binary search tree.