

SSR DEGREE COLLEGE (AUTONOMOUS) NIZAMABAD
SEM – II (MPCS) – DATA STRUCTURES
IMPORTANT QUESTIONS

SHORT ANSWER QUESTIONS

UNIT- I

- 1) What is data structure ? Different types of data structure
- 2) What is stack ADT?
- 3) Reversing a string?
- 4) Evaluating post fix expression?

UNIT-II

- 1) Explain queue ADT?
- 2) What is circular queue?
- 3) What is Hashing and hash table?
- 4) What is doubly linked list?

UNIT-III

- 1) What Is Binary Tree? Different Types Of Binary Trees?
- 2) Define AVL Tree?
- 3) what is heap ? Explain max heap and min heap?
- 4) what is BFS?

UNIT-IV

- 1) What Is Sorting?
- 2) Define bubble sort?
- 3) Define sequential search?

LONG ANSWER QUESTIONS ?

UNIT - I

- 1) Representation of stack using array?
- 2) Evaluation of expressions with examples?
- 3) What is Array? Representation of one-dimensional ARRAY ?

UNIT- II

- 1) Representation of queue using array ?
- 2) What are the methods of overflow handling?
- 3) What is singly linked list and its operations?
- 4) What is collision ? Explain different hash functions with examples ?

UNIT-III

- 1) Explain Binary tree traversals with examples?
- 2) What is Binary search tree? Explain its operations?
- 3) Explain DFS graph traversal technique with example?

UNIT-IV

- 1) Explain binary search with example?
- 2) Explain insertion sort with example ?
- 3) Explain Quick sort with example ?