

1. Explain

- (a) Big Oh Notation
- (b) Building a stack with two queues
- (c) Circular Link Lists
- (d) Parameters to describe an algorithm as a best algorithm

2. Make a comparative study of the time & space complexity of four sorting algorithms.

3. Write short notes on

- a) Quadratic probing
- b) Red Black Trees
- c) Vectors
- d) Adjacency matrix for a graph