

1. Explain

- (a) Big Oh Notation (Definition with one example)
- (b) Building a queue with two stacks (with diagram)
- (c) Double Circular Link Lists (with diagram)
- (d) Apriori and posterior analysis (advantages and disadvantages)

2. Make an algorithm and explain integer multiplication using divide and conquer strategy.

3. Write short notes on

- a) Brute Force Approach
- b) 2-3-4 trees
- c) Greedy Programming
- d) Loop Jamming