

MAY 2016

P/ID 17507/PCASG

Time : Three hours

Maximum : 100 marks

PART A — ($6 \times 5 = 30$ marks)

Answer any SIX questions.

1. Explain the Abstract data types.
2. Discuss on insertion and deletion of elements in queues.
3. Write about the circular queues with examples.
4. Explain the Doubly linked lists.
5. Discuss the threaded binary tree with example.
6. Explain the representation for graphs.
7. Discuss the Insertion sort with an example.
8. Write notes on AVL trees.

PART B — ($7 \times 10 = 70$ marks)

Answer any SEVEN questions.

9. How to create programs? Discuss them.
10. Illustrate the structures of polynomial.

11. Discuss the evaluation of expressions.
 12. Explain the Singly linked list and its operations.
 13. Discuss the binary tree traversals with examples.
 14. Illustrate the Shortest path problem with an example.
 15. Discuss the Quick sort with example.
 16. Explain the Buffer handling for parallel operation.
 17. Discuss the Cylinder surface indexing.
 18. Explain the insertion into a B-tree with procedure.
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