3. Explain the various representation of binary tree in detail with suitable example.

4. Discuss about selection and tree sorting.

5. What are the basic search techniques? Explain.

6. What are the applications of trees? Explain.

7. Discuss about bucket and address calculation sort.

8. Discuss about hashing.

Register Number :

Name of the Candidate :

5 3 2 5

B.Sc. DEGREE EXAMINATION, 2011

(COMPUTER SCIENCE)

(FIRST YEAR)

(PART - III)

(PAPER - III)

150. DATA STRUCTURES AND ALGORITHMS

(Common with Double Degree)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

1. Explain in detail about the primitive and non-primitive data structures.

2. What is simulation? Discuss how linked list is used for simulation.

Turn Over