

Total No. of Questions—12]

[Total No. of Printed Pages—4+1

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| Seat<br>No. |  |
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[4162]-207

S.E. (Computer) (Second Semester) EXAMINATION, 2012

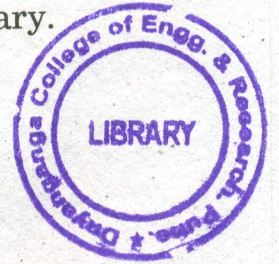
## DATA STRUCTURES

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 100

- N.B. :-** (i) Answer *three* questions from Section I and *three* questions from Section II.
- (ii) Answers to the two Sections should be written in separate answer-books.
- (iii) Neat diagrams must be drawn wherever necessary.
- (iv) Figures to the right indicate full marks.



## SECTION I

1. (a) List and explain in brief applications of binary tree. [4]
- (b) What are properties for binary trees that distinguish them from general tree ? [6]
- (c) Write algorithm for traversal of binary tree and give suitable example for the same : [8]
- (i) Inorder
- (ii) Preorder
- (iii) Postorder.

P.T.O.

