

5 May-June-2011

SE - COMP Sem - II

Total No. of Questions—12]

[Total No. of Printed Pages—4

[3962]-207

S.E. (Computer) (Second Semester) EXAMINATION, 2011

DATA STRUCTURES

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 100

- N.B. :— (i) Attempt any *three* questions from each Section.
- (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.
- (v) Your answers will be valued as a whole.
- (vi) Assume suitable data, if necessary.



SECTION I

1. (a) Write pseudocode for printing elements of a binary search tree in ascending order Non-recursively. [6]
- (b) Construct an inordered threaded binary tree for the following :
- INORDER — EICFJBGDKHL POSTORDER : IEJFCGKLHDB.
- Write its preorder traversal. Show step by step creation of binary tree and at the end draw threads. [8]
- (c) What are the advantages and disadvantages of threaded binary tree ? [4]

P.T.O.

