



(2)

DCCA103

SECTION - C

- III. Answer any Four questions. Each question carries Eight marks (4×8=32)
- 13) a) Explain the different types of data Structures. (4)
b) Write a note on Asymptotic notations. (4)
- 14) a) Evaluate Postfix expression. Show step clearly 6, 5, 3, +, *, 12, 3, /, - (4)
b) Write algorithms for
i) Push
ii) Pop operations for stack (4)
- 15) What is Recursion ? Write an algorithm for tower of Hanoi Problem. (8)
- 16) Write short notes on : (8)
a) Lexicographic Search Trees
b) B - Trees.
- 17) a) Define Sorting (2)
b) Write a C Program to sort an array using insertion sort technique. (6)
- 18) Explain hashing techniques and techniques for collision resolution. (8)

