

NEW

2017

BCA

2nd Semester Examination

DATA STRUCTURE LAB

PAPER—1296 (SET-1)

(PRACTICAL)

Full Marks : 100

Time : 3 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any two questions lottery basis : 2×25

1. Write a program to create a circular linked list and traverse it. 25
2. Write a program to print n Fibonacci numbers using function and pointers. 25

(Turn Over)

3. Write a program to insert and delete a node at any position of a double linked list. 25
4. Write a program to find the location of an element from a set of elements using Binary search technique using pointers. 25
5. Write a program to demonstrate the operation (PUSH and POP) performed on stack. 25
6. Write a program to implement infix to postfix conversion using stack. 25
7. Create a BST and Traverse preorder. 25
8. Write a program to sort a list of elements using merge sort. 25
9. Write a program to check whether a number is palindrome or not using stack. 25
10. Write a program to evaluate a valid postfix expression. 25

Practical Note Book — 05

Viva Voce — 15

Internal Assessment — 30
