

( S ) **III/BCA/305**

**2014**

( 3rd Semester )

**BACHELOR OF COMPUTER APPLICATION**

Paper No. : BCA-305

( **Data Structure Using 'C'** )

( **Practical** )

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

Answer **one** question each from Sections A and B

**SECTION—A**

- |       |                                     |    |
|-------|-------------------------------------|----|
| I. 1. | Write a program for quicksort.      | 20 |
| 2.    | Write a program for linear search : |    |
|       | (a) Sorted                          | 10 |
|       | (b) Un-sorted                       | 10 |

**G15—270/204**

( Turn Over )

SECTION—B

- II. 1. Write a program for reverse a linked list. 30  
2. Write a program for stack using array. 30

SECTION—C

- III. Viva voce. 15  
IV. Practical record. 10

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Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer one question each from Sections A and B

SECTION—A

1. Write a program for quicksort. 30  
2. Write a program for linear search :  
(a) Sorted 10  
(b) Un-sorted 10