

2018

(CBCS)

(2nd Semester)

**BACHELOR OF COMPUTER APPLICATION**

Paper No. : BCA-203P

**( Data Structure Using C )**

**( Practical )**

Full Marks : 75

Time : 3 hours

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

Answer **any two** questions from Section—A and **any one** question from Section—B

**SECTION—A**

1. Write a C program for sorting a list of numbers using insertion sort. 15
2. Write a C program to search any given number in an array using linear search. 15
3. Write a C program for sorting a list of numbers using merge sort. 15

### SECTION—B

4. Write a C program for circular queue and perform the following operations : 20
- (a) Inserting an element in the queue.
- (b) Deleting an element from the queue.

5. Write a C program for reversing a list of given numbers in a linked list. 20

### SECTION—C

6. Viva voce. 15
7. Record book. 10

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