UG-476	**BSCS–05**

B.Sc. DEGREE EXAMINATION – DECEMBER, 2018.

First Year

C PROGRAMMING AND DATA STRUCTURE

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.   Describe the features of C language.

2.   Explain the do-while statement with an example.

3.   Explain the general format for defines a function

4.   Write a note on pointer to function.

5.   Write an algorithm for the push operation in a Queues.

6.   Explain the operation on single linked list.

7.   Write an algorithm for Bubble sort.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Describe the various types of Expressions in C.

9. Explain the following
   (a) Switch case
   (b) if –else.

10. Describe the various data I/O functions in C.

11. Write a program to sort the given set of n names in alphabetical order.

12. Write an algorithm to traverse binary tree through in order and post order.

13. Explain Infix to Postfix conversion.

14. Discuss about the Sorting with disk and tape.

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