B.C.A. DEGREE EXAMINATION,NOVEMBER 2018
I Year I Semester
Core Major- Paper I
PROGRAMMING IN C

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. Write a note on character set of C language.

2. What are the arithmetic operators in C?

3. What is the purpose of scanf() functions? Give an example.

4. Write the general format of if...else statement.

5. What is function?

6. Define Static Variable.

7. Difference between structure and union.

8. List the bitwise operators in C.

9. Write about pointers.

10. Write a note on stream-oriented data files.

11. Give the use of goto statement.

12. What is the use of break statement?

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Write about different data types in C.

14. Explain (a) Do - While (b) Switch statements with examples.

15. Explain the concept of any two storage classes in C.

16. Write a note on: Arrays.

17. Write about operation in Pointers.

18. Explain the concept of opening and closing a file.

19. Write a C program to arrange the names in alphabetical order.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Explain different categories of operators with suitable examples.

21. Describe in detail all the data input and output functions in C.

22. Discuss about (a) Function Prototypes (b) Recursion with example.

23. Explain user defined data types with example in detail.

24. Explain the following: (a) Pointers and Arrays (b) Arrays of Pointers.

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