B.Sc. DEGREE EXAMINATION,NOVEMBER 2018
III Year VI Semester
Core Major - Paper XV
PROGRAMMING LANGUAGE 'C'

Time : 3 Hours **Max.marks :60**

Section A $(10 \times 1 = 10)$ Marks

Answer any **TEN** questions

1. State distinct constants in C language.
2. Define variable.
3. Write down the uses of scanf and printf functions in C.
4. State the two types of control statement in C.
5. Write the general form of nested if-else statement.
6. What is looping?.
7. Mention the two types of functions in C.
8. Define recursion.
9. What is the general form of array declaration?
10. Define a string.
11. What is the use of indirection operator.
12. Define a structure.

Section B $(5 \times 4 = 20)$ Marks

Answer any **FIVE** questions

13. Explain the getc() and putc() function.
14. Write a C program to compute the simple interest for the input p, n, r .
15. Write a C program to convert Centrigrade to Fahrenheit.
16. Compare while and do while statements.
17. Discuss the various parts in a user-defined function.
18. Write a C program to accept a string and find the number of words in it.
19. Discuss the difference between call by reference and call by value.

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

Answer any **THREE** questions

20. Explain the data types used in C language.

21. Write a C program that will find the largest of three given numbers.
22. Write a C program to add complex numbers using functions.
23. Write a C program to read and multiply two matrices.
24. Explain the following : (a) Arrays of structure (b) Arrays within structures.

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