B.Sc. DEGREE EXAMINATION,APRIL 2020
III Year VI Semester
Programming Language 'C'

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

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

Answer any **TEN** questions

1. What are keywords?
2. Define constants.
3. Write the syntax of do while statement
4. Define Looping.
5. What is meant by Recursion?
6. What is meant by control statement?
7. Write the syntax of array declaration.
8. Write the syntax of declaration of string variable.
9. Define structure
10. Write the general form of defining a function.
11. Write the syntax of structure definition
12. What are executable statements?

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

Answer any **FIVE** questions

13. What are the advantages of using shorthand assignment operator? Explain with an example.
14. Explain switch statement with an example.
15. Discuss the differences between a function declaration and a function definition?
16. Discuss briefly about single-dimensional array.
17. Explain briefly about structure within structure.
18. What are entry controlled and exit controlled loops?
19. Explain briefly about Arrays within structures.

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

Answer any **THREE** questions

20. Describe the four basic data types. How could we extend the range of values they represent?

21. Write a c program to compute the factorial of a given number.

22. Write short notes on: (a) Global and Local variables. (b) Size of ( )

23. Discuss the different string handling functions that are available in C

24. Discuss the difference between call by value and call by reference.

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