

**B.Com.(ISM) DEGREE EXAMINATION, APRIL 2020**  
**I Year II Semester**  
**Programming in C**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Define Computer.
2. List some symbols used in flowcharts.
3. Write down the base value of Decimal, Binary, Octal and Hexadecimal number system.
4. Define Constants.
5. Define Variable.
6. How to declare a Variable?
7. Write the syntax for Input statement.
8. What is the use of goto function?
9. Define Function.
10. What is Recursion?
11. Define Pointers.
12. What is Structures?

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

Answer any **FIVE** questions

13. Convert  $111000101_2$  into decimal, octal and hexadecimal numbers.
14. Write short notes on Data Types.
15. Explain about Character set in C.
16. Write a Simple C program to print the numbers from 1 to 100.
17. Briefly explain about Functions Prototypes.
18. Write a C Program to find Factorial of a given number by using Recursion.
19. Discuss about Operations on Pointers.

**Section C** ( $2 \times 15 = 30$ ) Marks

Answer any **TWO** questions

20. Briefly Explain about Basic Components of Computer.
21. Explain the various types of Operators with example.
22. Explain the looping Control Structures in C with example.
23. Define Array. Discuss about the two dimensional Array with example.

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