



44621/A0210

Reg. No.

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**I Semester B.C.A.5 (CBCS) Degree Examination, March/April - 2023****C PROGRAMMING****(Repeater)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates :**

1. *All sections are compulsory.*
2. *Draw diagrams wherever necessary.*

**Section - A**Answer any **Ten** of the following questions.**(10×2=20)**

1. a. Define program.  
b. Define algorithm.  
c. What is compiler?  
d. List the data types in C.  
e. List the types of operators in C.  
f. What is if - else statement?  
g. What is switch statement?  
h. Define looping in C.  
i. What is strlen?  
j. Define Array.  
k. What is recursion?  
l. Define structure.

**Section - B**Answer any **Four** of the following questions.**(4×5=20)**

2. Explain logical operators in C.
3. Write a flowchart for calculating simple interest.

**[P.T.O.]**



4. Explain the different I/O functions in C.
5. Write a C program to find maximum between three numbers.
6. Write a C program to print first n fibonacci numbers.
7. Write the differences between structure and union.

**Section - C**

Answer any **Four** of the following.

**(4×10=40)**

8. Explain the structure of a C program. **(10)**
  9. a. What is character set? **(2)**  
b. Explain the different datatypes in C. **(8)**
  10. Explain different decision making and branching constructs in C. **(10)**
  11. Explain the string library functions in C. **(10)**
  12. Write a C program to accept array of integers to find maximum and minimum element in an array. **(10)**
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