Reg. No.

I Semester B.C.A Degree Examination, Nov./Dec. - 2019
C- PROGRAMMING
(Repeater)
Paper - BCA3

Time : 3 Hours   **Maximum Marks : 80**

Instructions to Candidates:

        All Sections are Compulsory.

SECTION- A

Answer any **TEN** of the following: **(10×2=20)**

1.   a)   What is Computer?

    b)   What is Variable?

    c)   Name any four input devices.

    d)   What is Keyword? Give an example.

    e)   Write syntax for do -while.

    f)   What are 'C' tokens?

    g)   Write a syntax for nested if statement.

    h)   What is an array?

    i)   Which are the basic data types in 'C'?

    j)   Define recursion.

    k)   How do you initialize array?

    l)   What is for loop in 'C'?

SECTION - B

Answer any **FOUR** of the following: **(4×5=20)**

2.   Explain the Block diagram of computer system.

3.   Write a note on CD- ROM.

4.   Explain syntax of switch statement with example.

5.   Write a program to swap two numbers.

6.   Explain all the symbols used in flow -chart.

7.   Explain the following unformatted functions: **(2.5+2.5=5)**

    a)   gets( )   b)   puts( )

SECTION- C

Answer any **FOUR** of the following: **(4×10=40)**

8. Mention the features of 'C' language and explain the basic structure of a 'C' program.

9. Explain in detail types of operators with example in 'C'.

10. Write a 'C' program to perform basic arithmetic operations.

11. Explain various branching statements giving examples for each.

12. a) Write a 'C' program to check if a given year is a leap year or not.

b) Write a 'C' program to check whether given number is even or odd.

_____