Seat No.	

B.C.A. (Faculty of Commerce) (Part - I) (Semester - I) (Revised) Examination, April - 2016
102 : PROGRAMMING IN 'C' Part - I
Sub. Code : 59570

Day and Date : Tuesday, 12-04-2016   Total Marks : 80
Time : 11.00 a.m. to 2.00 p.m.

Instructions :   1)   Each question carries 16 Marks.
                  2)   Solve any **FOUR** questions from **Q.1 to Q.7.**
                  3)   **Q.8 is compulsory.**

Q1) a)   Define an algorithm. Write an algorithm for maximum between three numbers.   **[8]**

   b)   Explain how to perform input and output Functions in 'C'.   **[8]**

Q2) a)   What is variable? How to declare variable? Write the rules for declaration of the variable.   **[8]**

   b)   Discuss various conditional statements with the help of example.   **[8]**

Q3) a)   Discuss do _____ while loop with its syntax and example.   **[8]**

   b)   What is array? Explain declaration and initialization of 1-dimensional array with example.   **[8]**

Q4) a)   What is flowcharting? Write Advantages and Disadvantages of Flowchart.**[8]**

   b)   List and explain the various operators used in 'C'.   **[8]**

Q5) a) Explain break and continue statement with suitable example. **[8]**

    b) Write a program to find the factorial of a given number. **[8]**

Q6) a) Explain the different data types used in 'C'. **[8]**

    b) Write an Algorithm and draw flowchart for calculating simple interest. **[8]**

Q7) a) Write a program to Check a given number is Armstrong or not. **[8]**

    b) Differentiate between if and switch case statement. **[8]**

Q8) Attempt any FOUR questions from the following: **[16]**

    a) Explain the Keywords in 'C'.

    b) How to initialize Character array.

    c) Explain the types of errors.

    d) Explain the Constants in 'C'.

    e) Explain Any 2 string handling functions.

    f) What is the use of exit statements?

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