Roll No.
PGDCA-1, MCA-1, M.Sc.(CA)-1
1st Year Examination, Academic Batch 2017-18
Computer Fundamental and Programming in C

Time : 3 Hours]   *[Max. Marks : 100*
Note. *Attempt any* **five** *questions. Each questions carry equal marks.*

Q.1 What is a number system? Discuss all types of number systems in detail.

Q.2 Explain how an output is displayed using a CRT monitor with the help of a neat diagram.

Q.3 What is an algorithm? Describe all the symbols/keywords used to express an algorithm. Write an algorithm to display all palindrome nos. between 1 and 100.

Q.4 What is a program? What are the characteristics of a good program? Explain the concept of top-down programming and bottom-up programming.

Q5: Write a program to input a string from the user and calculate the length of that without using library function.

Q6: Write a C Program to reverse an array using pointers?

Q7: Explain the general syntax of if else and switch statement with a simple example. Also explain its use in C programs?

Q8: What are subscripts? How they are written? What restrictions apply to the values that can be assigned to subscripts?