P.G.D.C.A. Sem-I Examination
OCT-NOV- 2017
Paper Name: Computer Programming and problem solving using "C" Paper No: 102
Subject Code: 9625

Time: 3Hrs.

Total Marks: 100

Q-1   Attempt any TEN of the following in brief.   20
1.   Differentiate: Compiler & Interpreter.
2.   Explain printf() and scanf().
3.   Who developed "C" programming Language? When? And Where?
4.   Explain any two features of "C" Language.
5.   Write a syntax of while loop.
6.   Explain primary data types used in C.
7.   Differentiate: High Level Language V/s Machine Level Language.
8.   What is Function?
9.   What is Command Line Argument?
10.   List out the applications of "C" Language.
11.   Explain #include<string.h> statement.

Q-2   Attempt any FOUR of the following.   20
1.   Explain basic structure of "C" program.
2.   What is Flow-Chart? Draw basic symbols of Flow-Chart and usage of it.
3.   Explain switch-case with proper syntax and example.
4.   What is Loop? Enlist the various Looping statements and explain any one of it.
5.   Differentiate: Break V/s Continue.

Q-3   Attempt any FOUR of the following.   20
1.   What is an Array? Explain 2D Array with an example.
2.   Write a detailed note on Arithmetic Operators in "C" Language.
3.   Explain syntax and use of Do__While statement.
4.   Explain any FIVE string function with suitable example.
5.   Write a brief note on file access mode in I/O.

Q-4   Attempt any FOUR of the following.   20
1.   What is Pointer? Explain with suitable example.
2.   Explain Structure with proper example.
3.   Explain getchar() and putchar() functions with suitable example.
4.   What is a Union? Explain it with suitable example.
5.   What is purpose of storage class? Explain any two storage class in brief.

Q-5   Write a Short note on any TWO of the following.   20
1.   What is File? List out various types of it. Explain fopen(), fseek() and fgets().
2.   Write "C" Programs for the following:
      a.   Print following pattern:
            1
            2   3
            4   5   6
            7   8   9   10
      b.   Write a "C" program to count and display all the vowels in strings that is
            entered by user.
3.   Write a program to print reverse number of a given number. If you enter 6789
      then output will be 9876.