'C' PROGRAMMING-I

Time : 3 Hours   Maximum Marks : 80

(COMPULSORY QUESTIONS)

1. a) Explain Integer Arithmatic in C.
   b) What are the advantages of short hand assignment operator.
   c) Explain the meaning of casting of-data.
   d) Explain the purpose & syntax of do-while statement.
   e) Differentiate between formal & actual arguments (Parameters)
   f) What do you mean by the Lifetime & scope of a variable.

Unit-I

2. a) Write short note on History & Importance of C. Also explain structure of C Program.
   b) Define Identifier & write rules to declare valid Identifier in C.
   c) What is the purpose of Print f ( ) & Puts ( ) functions. Explain with example.

Unit-I

3. a) Define constant. Explain different types of constants available in C.
   b) Explain the following functions with example :
      i) getche ( )   ii) Putch ( )
      iii) Puts ( )   iv) getchar ( )

Unit-II

4. a) Explain the purpose of conditional operator Increment & decrement operators & Special operators available in C.

    b) W.a.p. in C to print Fibonacci series upto 50.

5. a) Explain the syntax of switch statement. Write a program in C that uses switch statement of your choice.

    b) Differentiate between Nested IF statement & EISE-IF ladder with example.

Unit-III

6. a) Explain the use of Break statement & continue statement with the help of program segment.

    b   W.a.p. in C to find LCM of two numbers.

7. a) Explain the syntax & purpose of user defined function.

    b) What are the differences between call-by-value & call-by-reference.

Unit-IV

8. a) Explain the Extern & static storage class with example.

    b) Explain the following string functions by giving suitable example.

    i) Streat   ii) Strump ( )

    iii) Streev ( )   iv) Strleu ( )

9. W.a.p. in C to sort of elements using selection sort method.