'C' Programming - II

Note— Q. No. 1 is compulsory. Answer five questions in all, selecting one question from each unit in addition to compulsory question from each unit in addition to compulsory question No. 1. All questions carry equal marks.

(Compulsory Question)

1. (i) Write the syntax of function that is used to concatenate character strings.
    (ii) Define the term Typedef in C language.
    (iii) What is the purpose of & and * symbols in C?
    (iv) What is Null pointer?
    (v) Differentiate between get w ( ) function and putw ( ) function.
    (vi) Name any four preprocessor directives.   18

UNIT-I

2. (a) Differentiate between Structure and Union with examples.
    (b) Explain enumerated data type by giving suitable example.

3. (a) Define Structure. What are the various uses of structure? How do we declare and initialize the structure?   9
    (b) Explain at least three string manipulation functions along with their syntax and examples.   9

UNIT-II

4. (a) Explain the concept of Pointer conversions and Pointer arithmetic in detail.   9
    (b) Write a program to swap two numbers using pointer.   9

5. What is Pointer? Explain its purpose, advantages and disadvantages. What are the various operations that can be carried out using pointer variables?   18

6. Define File. Discuss various file handling functions with appropriate examples. 18

7. (a) Discuss various modes to open a file. 9
   (b) What is the purpose of fscanf ( ) function and fprintf ( ) function? 9

Unit - IV

8. What is Preprocessor directive? Explain at least five preprocessor directives with examples. 18

9. (a) Differentiate between Macros and Functions. 9
   (b) Explain the concept of Command line arguments. How do we define and use command line arguments? 9