II Semester B.Sc. (I.T.) Examination, June/July 2010
C PROGRAMMING LANGUAGE

Time : 3 Hours   Max. Marks : 75

PART – A

Answer **all** the questions :   **(10×2+5×1=25)**

1. Why 'C' is called middle level language ?

2. What is Key word ?

3. Define Pre-Processor Directive.

4. Differentiate between = and = =

5. What do you mean by indirection operators ?

6. Define two dimensional array ? Give the general form with an example.

7. What is Union ? Give the general form with an example.

8. Define Bitwise Operators with an example.

9. What is file ? Give the general form with an example.

10. Define Recursion. Give an example.

11. Define the following terms :

    a) Enumerated

    b) Structured

    c) Filed Designator

    d) Default Statement

    e) Identifier.

PART – B

Answer **any five** of the following questions : (5×10=50)

1. Give the general structure of 'C' programming with an example.

2. Draw a flow chart and write an algorithm to find the roots of a quadratic equation.

3. What is looping ? Explain the different types of looping control structure with an example for each.

4. Explain the different categorization of functions.

5. Justify that if-else statement is compulsory in block of the recursion.

6. Write a 'C' program to find the product of two matrices of order M × N.

7. What is an Character ? Explain the different types of character built in functions with a example.

8. Write an 'C' program to search an item by using linear search.

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