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

Time : 3 Hours   Max. Marks : 75

PART – A

1. What is flowchart ? Mention the different types of flowcharts. **(10×2+5×1=25)**

2. What do you mean by character Set ?

3. What is logical operators ? Mention its types.

4. Define literal constants.

5. Write a program to find the area and perimeter of a circle.

6. Define two dimensional array ? Explain with an example.

7. What to you mean by $*$ and $ operators.

8. What is a pointer ? Explain with an example.

9. What is an recursion ? Explain with an example.

10. How can a particular bit within a byte can be worked upon.

11. Explain the following terms.

    a) Sizeoff ( )

    b) Type casting

    c) Switch statement

    d) Index variable

    e) Linked list

PART – B

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

1. Draw a flowchart to read the marks of a student and classify him into different grades. If marks greater than or equal to 90 grade A, greater than or equal to 80 but less than 90 grade B, greater than or equal to 65 but less then 80 grade C otrnwise grade D.

2. Explain the different types of operators available in 'C' with an examples.

3. Explain the different types of input and output statements used in 'C' with an examples.

4. What is looping ? Explain the different types of looping and general structure with an examples.

5. Write a program to find the product of matrices.

6. Write a program to find the longest element in an array a position of it's occurrence

7. What is storage classes ? Explain the different types of storage classes with an examples.

8. Explain tgets ( ) and tputs ( ) statements ? Give example.

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