



MS 11

**I Semester M.Sc. (I.T.) Examination, December 2009/January 2010**  
**COMPUTER PROGRAMMING**  
**(Freshers)**

Time : 3 Hours

Max. Marks : 75

***Instruction :*** Answer ***all*** questions from Part A and answer ***any five*** questions from Part B.

PART – A

(10×2+5×1=25)

1. What is Algorithm ?
2. What are data types in C ?
3. What is Loop ?
4. Differentiate Array and Structure.
5. What is Searching ?
6. What is Pointer ?
7. What is Function ?
8. How to declare the structure in C ?
9. What is Data structure ?
10. What is Tree ?
11. Define the following :
  - a) Asymptotic notations
  - b) Tokens
  - c) Recursion
  - d) File
  - e) Graph.

P.T.O.



PART – B

Answer **any five** :

**(5×10=50)**

1. Explain in detail conditional statements used in C.
2. Explain the memory map of two dimensional Array.
3. Write a program in C add the two Square matrices.
4. Explain with suitable example “Call by Value” and “Call by Reference”.
5. What is complexity of the Program ? Calculate complexity of Fibonacci Series.
6. Write a Program in C to insert a node at the beginning of a Linked list.
7. Explain the operations performed on Files.
8. Write program in C to sort a given set of data using Selection sort.

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