D 12496

Name.....

Reg. No.....

FIRST SEMESTER M.Sc. (COMPUTER SCIENCE) DEGREE EXAMINATION JANUARY 2006

CS 101—PROGRAMMING AND PROBLEM SOLVING

(2004 and earlier admissions)

Time : Three Hours

Maximum : 60 Marks

Part A

Answer any **five** *questions.*
Each question carries 3 *marks.*

1. Explain the construct a ? *b* : *c*.
2. Explain structure within structure.
3. Differentiate between 'pass by value' and 'pass by reference'.
4. What are static functions ?
5. Explain how you will return values from functions.
6. How will you pass structure variable to functions ?
7. What are the various storage classes in 'C' ?

(5 x 3 = 15 marks)

Part B

Answer any **three** *questions.*
Each question carries 15 *marks.*

8. Write a program to reverse each and every word in a text.
9. Write a program to check whether a string is a palindrome or not.
10. Write a program to generate 'n' Fibonacci numbers.
11. Write a program to find the transpose of a matrix.

(3 x 15 = 45 marks)