Indian Institute of Information Technology Vadodara

Introduction to Programming and Problem Solving (IT101)

Mid Semester Examination

(Marks 25)   **Time: 60 Minutes**

Note: (a) Attempt all questions.

(b) Answer must be written precise and to the point instead of using verbose.

(c) Mention **explicitly** any assumptions if used while answering the question.

1. Draw a flowchart to find maximum number among three numbers   (5 Marks)
2. What are the storage classes in c? Explain the differences with examples. (5 Marks)
3. What are the different data types supported by the 'C' language? (5 Marks)
4. Define a recursion . Write a C program with recursive function for multiplying two integers using addition where a function call is passed with two integers m and n. (5 Marks)
5. Write a program in C to find the reverse of a number. If input is 324 then output should be 423. (5 Marks)