

FIRST SEMESTER**B.Tech. (Group-B)****MID SEMESTER EXAMINATION****September-2012****CO-116 PROGRAMMING FUNDAMENTALS****Time: 1 Hour 30 Minutes****Max. Marks : 20**

Note : Answer **ALL** questions.
Assume suitable missing data, if any.

1[a] Draw a flowchart for finding greatest of 10 numbers entered by a user. 2

[b] Explain different assignment statements in C. Explain the operations used in the statements with the help of examples. 3

2[a] Why the arguments used in function prototype are called dummy arguments? Explain the difference between dummy and other type of arguments used in function definition and function call. Give example. 2½

[b] Write different types of array declaration with initialization. When the size of the array is optional, give examples. 2½

OR

Explain the syntax of printf and scanf statements.

3[a] Write a program to find the sum of 10 natural numbers. 2

[b] Draw flowchart for different loops available in C language. Also, explain the difference & use of different loops. 3

4[a] Define the following (**any three**): 3

(i) Structured programming

(ii) Top-down approach

(iii) Tokens in C

(iv) Call by value 3

[b] Identify the following tokens, with justifications

(i) 51 U

(ii) U51

(iii) 51.2e3

(iv) 'ABC' 2