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Roll No. 0244

FIRST SEMESTER

B.Tech. (GROUP B)

MID SEMESTER EXAMINATION

September-2013

CO-116 PROGRAMMING FUNDAMENTALS

Time: 1 Hour 30 Minutes

Max. Marks : 20

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

Q.1(a) Find the value of y for each value of x from 2 to 5 (i.e x= 2, 3, 4, 5)
(i) $y = 3 < x < 5$ (ii) $y = 3 > x > 5$ (iii) $y = 5 > x > 3$ (iv) $y = 5 < x < 3$
What is the better/other ways to write these statements.

4

(b) Write a program to find the sum of digits of a 4 digits number entered by the User.

2

Q2.(a) What is HLL. What are the important features which must be present in a HLL?

2

(b) Explain different control statements in 'C'. Give syntax/example for each.

3

Q3.(a) Draw a flowchart for finding the sum of 10 integers from 121 to 232.

2

(b) Identify the C tokens with justification

(i) main (ii) ++ (iii) "Hello" (iv) "t" (v) "2.3"
(vi) 23U (vii) 2.3e3.0 (viii) 2E-6 (ix) u23

3

Q4.(a) Write an algorithm to check whether a number entered by a user is even or odd.

2

(b) Write short notes (any one)

2

- Bottom-up, top-down, modular program design approach
- Input/Output statements

5/10