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Paper Code & Roll No. to be filled in your Answer Book

Roll No. [   ]

B.Tech. (III - Sem.)

Even Semester Examination - 2016

VISUAL PROGRAMMING & DOT NET TECHNOLOGY

[Time : 3 Hours] *[Maximum Marks :100]*

Note: Attempt **all** questions

Q1. Attempt **any four** questions : (5x4=20)

(a) Differentiate C#.net with other programming languages.

(b) What do you understand by intrinsic CTS data types? List any five

(c) Explain any five features of C#.net Language.

(d) Define the language integration mechanism of .Net.

(e) Explain platform independent nature of .Net.

Q2. Attempt **any four** questions: (5x4=20)

(a) Write a C# recursive method to print fibbonacci series.

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(b) Differentiate String and StringBuilder class. Why String is immutable?

(c) Define Boxing, Unboxing and Autoboxing using suitable examples.

(d) What do you understand by method parameter modifiers explain with example?

(e) Define array using C# programming language.

Q3. Attempt **any two** questions: (10x2=20)

(a) Explain three pillars of Object Oriented Programming in details.

(b) Write a program to add two complex number using operator overloading. Make suitable assumptions.

(c) What are exception handling explain with example ?

Q4. Attempt **any two** questions: (10x2=20)

(a) Write a Generic Method to swap any two element of given type.

(b) What are the differences between abstract class, static class and interface?

(c) Define structure and enumerator with suitable examples.

Q5. Attempt **any two** questions : (10x2=20)

(a) How can we create a private assembly explain with example.

(b) Explain following terms in C#

    (i) Explain virtual, new, override & sealed keyword.

    (ii) Differentiate internal vs public and private vs protected keyword

(c) Define any five of the following:

    (i) CIL

    (ii) Var

    (iii) Foreach

    (iv) GAC

    (v) CLI

    (vi) CIT

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