53 (IT 605) CNFR

2014

C# AND .NET FRAMEWORK

Paper : IT 605

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks
for the questions.

*Answer **any five** questions.*

1. *(a)* What is synchronization ? Illustrate with an example implementation of synchronization in C#. 10

   (b) Write a windows application in C#, having two textbox controls and a button control, validate that textbox values are not blank. Clicking the button will interchange the textbox values and the button disappears. 10

2. *(a)* Explain different Data Providers in ADO.NET. 10

   (b) Explain in detail ADO.NET connected Model. 10

3. *(a)* What is remoting ? What are the steps required to enable a client to access an object on a remote server ? 10

   (b) What are design patterns ? Briefly explain the three key design patterns supported in .NET. 10

4. *(a)* Explain the loop constructs in C# with syntax and examples. 10

   (b) Write a program that reads a list of names in random order using an array and display them in alphabetical order

   (i) using Compare method

   (ii) using Equals method. 5+5=10

5. *(a)* What is an indexer ? What is it used for ? 5

   (b) What is a hiding method ? How is it different from overriding ? 5

(c) Create a class called Date that includes data members day, month and year and methods that could implement the following tasks :

- Read a date from keyboard
- Display a date
- Increment a data by one day
- Compare two dates to see which one is greater. 10

6. (a) What is delegate ? What is it used for ? 5

(b) What is a custom numeric format ? Explain with examples. 10

(c) What happens when an exception is caused in an inner try block of a nested try block ? 5

7. Write short notes on : 4×5=20

(i) Assemblies

(ii) Reflection

(iii) .NET Framework

(iv) Enumeration.

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