UBCAT601.1 - Paper-I - Elective-I : .NET and C# .NET

P. Pages : 2

Time : Three Hours

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GUG/S/23/13301

Max. Marks : 40

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answer and write specific answer related to question.

Either:

1. a) What is the .NET framework? Explain its basic components. **4**

b) Explain common type system in the .NET framework. **4**

OR

c) Write a program in C# to check whether the entered number is leap year or not. **4**

d) What is exception handling in VB.NET? Explain try-catch blocks? **4**

Either:

2. a) Explain Windows forms in detail. **4**

b) Write a note on InputBox function. **4**

OR

c) Write a program in VB.Net to swap the numbers. **4**

d) What is label control? Explain in detail. **4**

Either:

3. a) Explain the characteristics of C#. **4**

b) List and explain the various data types in C#. **4**

OR

c) Explain boxing and unboxing in C#. **4**

d) Write a program in C# to calculate the sum of elements in an array. **4**

Either:

4. a) What is string manipulation? Explain its methods. **4**

b) Define mutable string. Explain in detail. **4**

OR

c) What is the 'this' reference in programming? How can it be used? **4**

d) Write a C# program that prompts the user to input three integer values and find the greatest value of the three values. **4**

5. Solve **all** the questions.

a) What is type conversion? Explain. **2**

b) What are menus in windows forms? Explain. **2**

c) Write a note on method overloading. **2**

d) What is method overriding in C# programming? Explain. **2**

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