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

P. Pages : 2

Time : Three Hours

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* 5 0 6 4 *

Max. Marks : 40

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram wherever necessary.
3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) What is Assemblies? Explain in detail. **4**

b) Explain the concept of type conversion with sample example. **4**

OR

c) Write a program to demonstrate the concept of loops. **4**

d) Write a detail note on procedures. **4**

Either:

2. a) Explain window forms in VB.NET. Also explain how to handle an event in it. **4**

b) Design a window form to demonstrate the use of InputBox. **4**

OR

c) Design a window form to perform Arithmetic calculation. (use various controls) **4**

d) Explain following in detail: **4**

i) Picture Box

ii) Menus

Either:

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

b) Write a C# program that determines a student's grade. **4**

OR

c) Explain the concept of Boxing and Unboxing in detail. **4**

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

Either:

4. a) Explain various string methods available in C#. **4**

b) Write a C# program to create a function to input a string and count number of spaces are in the string. **4**

OR

c) Explain following in detail: **4**

1) Static Constructor

2) Private Constructor

d) Write a C# program to demonstrate the concept of Inheritance. **4**

5. Attempt all the questions.

a) Write a note on Base Class Library. **2**

b) Write short note on Combo Boxes. **2**

c) Discuss the concept of method overloading. **2**

d) Write a note on sealed classes and sealed methods. **2**

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