

B.C.A. - III (CBCS Pattern) Semester-VI  
**UBCAT601.1 - Paper-I Elective-I - .NET and C# .NET**

P. Pages : 2

Time : Three Hours



**GUG/S/25/13301**

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 whenever necessary.
  3. Avoid vague answer and write specific answer related to question.

**Either :**

1. a) Explain .Net framework and its basic components in detail. 4
- b) Explain common type system in the .Net framework. 4

**OR**

- c) Write a program in C# to check whether input is even, odd or zero. 4
- d) Write the details of exception handling? 4

**Either :**

2. a) Describe Windows form in detail. 4
- b) Explain the input box function in detail. 4

**OR**

- c) Write a C# .Net program to swap 2 numbers. 4
- d) What do you mean by labels explain with suitable example. 4

**Either :**

3. a) Describe the characteristics of C# in detail. 4
- b) Discuss the various data types of C# in detail. 4

**OR**

- c) What is boxing in C#, explain in detail. with suitable example. 4
- d) Write a program in C# to display sum of elements in an array. 4

**Either :**

4. a) What is string handling, explain various string handling methods. 4
- b) What is a mutable string, explain with suitable example. 4

**OR**

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|------------------------------------|--|---|
| c)                                 | Write a program in C# to demonstrate 'this' keyword.     | 4 |
| d)                                 | Explain the method overriding with suitable example.     | 4 |
| <b>5.</b> Solve all the questions. |  |   |
| a)                                 | Explain type casting with an example.                    | 2 |
| b)                                 | Discuss the menus in windows forms.                      | 2 |
| c)                                 | Write a short note on method over loading.               | 2 |
| d)                                 | Write a C# program to check largest among three numbers. | 2 |

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