

B.Sc. - III (Information Technology) (CBCS Pattern) Semester-V
001 - Elective-I - Paper-I - .NET Framework and C# .NET

P. Pages : 2

Time : Three Hours



GUG/S/25/13130

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 answers and write specific answer related to question.

Either:

1. a) Explain the Common Language Runtime (CLR) in detail. 4
- b) Describe the origin of .Net Technology in brief. 4

OR

- c) Define the Just In-Time (JET) compilation process in detail. 4
- d) Explain the terms of Framework Base class in detail. 4

Either:

2. a) Explain the various features of C# in detail. 4
- b) Write a C# program to demonstrate type conversion / Type casting. 4

OR

- c) Define the following- 4
 - i) Abstract class
 - ii) Sealed class
- d) Write a C# program to demonstrate single inheritance. 4

Either:

3. a) What do you mean by a namespace, describe the need of namespace in C#. 4
- b) Explain the concept of Multicast delegates in detail. 4

OR

- c) What is a Thread, explain the Multi Threading Process in C# with suitable program. 4
- d) Describe the Error Handling Process in C# with a detailed description. 4

Either:

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| 4. | a) | Write a detailed note on web services and window services. | 4 |
| | b) | Explain the ADO.Net in detail. | 4 |

OR

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|-----------|----|--|----------|
| | c) | List of the ASP .NET Web Form Controls with the proper description (any four). | 4 |
| | d) | Define the distributed Application of C# in detail. | 4 |
| 5. | | Solve all the questions. | |
| | a) | Write a short note on CLS. | 2 |
| | b) | Describe the various datatypes supported to C# Language. | 2 |
| | c) | Write a short note on The Event in C#. | 2 |
| | d) | Describe the Built in attribute in short. | 2 |
