

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

P. Pages : 2

Time : Three Hours



GUG/W/23/13130

Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw well labelled diagram wherever necessary.
 3. Avoid vague answers.

Either:

1. a) Explain Common Language Runtime (CLR). 4
b) Write a note on MSIL. 4

OR

- c) Discuss the origin of .NET Technology. 4
d) Explain Common Type System in detail. 4

Either:

2. a) What is C#? Explain in detail features of C#. 4
b) Write a program in C# to calculate sum of all integers that are 100 and less than 200 that are divisible by 7. 4

OR

- c) What is object and class? Explain with simple program. 4
d) Explain following: 4
 - i) Inheritance.
 - ii) Polymorphism.

Either:

3. a) What is event? Explain types of Event. 4
b) Explain double buffering technique in windows forms. 4

OR

- c) What do you mean by delegates? Explain its types. 4
d) Explain various namespace in C#. 4

Either:

4. a) Give the difference between web services and windows services. 4
b) Explain features and structure of Assemblies. 4

OR

- c) Discuss Distributed application in C#. 4
d) Explain following. 4
i) Remote data object.
ii) Data access object.
5. Solve all the questions.
- a) Explain Just-In-Time Compilation in short. 2
b) Explain Type conversion in C#. 2
c) Write a short note on Error handling. 2
d) Explain Unsafe mode in C#. 2
