001 - Paper-I (Elective-I) : .NET Framework and C# .NET

P. Pages : 1   ‖‖‖‖‖‖‖   **GUG/W/22/13130**

Time : Three Hours   * 3 6 6 3 *   Max. Marks : 40

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

1.   Either

   a)   What do you mean by Common Type System (CTS) ? Explain.   **4**

   b)   Write a detailed note on Just-In-Time Compilation.   **4**

                  OR

   c)   Write and explain Framework Base Classes.   **4**

   d)   What do you mean Microsoft Intermediate Language (MSIL) ? Explain.   **4**

2.   Either

   a)   What is Interface in C# ? Explain it with the help of example.   **4**

   b)   Explain the static class in detail.   **4**

                  OR

   c)   What are the Type Conversion methods in C# ? Explain any two.   **4**

   d)   Write an introduction about C-Sharp Language and explain its features.   **4**

3.   Either

   a)   What is Arrays in C# ? Explain.   **4**

   b)   What do you mean by Delegates ? Explain.   **4**

                  OR

   c)   Write a detailed note on Error Handling in C#.   **4**

   d)   Explain the Namespace regarding System in detail.   **4**

4.   Either

   a)   Write a note on ASP .NET Web Form Controls.   **4**

   b)   What are Web Services ? Explain.   **4**

                  OR

   c)   What do you mean by Built-in attribute and custom attribute ? Explain.   **4**

   d)   Explain the Graphical Device Interface in C#.   **4**

5.   Attempt all the questions.   **2**

   a)   Describe the .NET Framework in detail.   **2**

   b)   Write a short note on Sealed Classes.   **2**

   c)   What do you mean by Events ? Explain.   **2**

   d)   Write a short note on Windows Services.   **2**

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