M.C.A.(Sem-IV)   April-2023

Time: 3 Hours   **Marks: 80**

NB- [1] Question Number One should be compulsory.

  [2] All question carry equal marks.

  [3] Attempt any three from the remaining.

Q1. (a) Explain the Dot Net framework in Detail.   [10M]

  (b) What is Constructor? Illustrate the different types of constructors in C#.   [10M]

Q2. (a) Write a program to read data from a text file.   [10M]

  (b) How Custom Validator control is used to define our own function to validate

  data?   [10M]

Q3. (a) What is state management? Why state management implemented explicitly in

  ASP.NET?   [10M]

  (b) What is WCF? Explain layered architecture of WCF.   [10M]

Q4. (a) What is meant by Array? Explain different types of Array supported by C# with

  example.   [10M]

  (b) Explain the use of sealed keyword in c#. Give different purposive examples of sealed

  Keyword.   [10M]

Q5. (a) What is stored procedure? Explain Stored Procedure without a parameter with

  example.   [10M]

  (b) Develop ASP.Net application to count total number of visitors visited to an

  ASP.NET website.   [10M]

Q6. Write a short note on the following.   [20M]

  1. Web service Architecture   [5M]

  2. LINQ operators.   [5M]

  3. Bounded and Unbounded collection classes.   [5M]

  4. ASP.Net Application Life Cycle.   [5M]

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