



- 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 answers and write specific answers related to questions.

**Either**

1. a) What is CLR ? Explain different component of CLR in detail. **8**  
b) Write a detail note on C# Environment. **8**

**OR**

- c) What are the benefits of C# ? Write down the comparison among C# and java. **8**  
d) Explain the characteristics of C# .Net. **8**

**Either**

2. a) Define delegates. Explain how to implement delegate in C# .Net. **8**  
b) Write a program using function overloading to swap two float number. **8**

**OR**

- c) What is Exception ? Explain Exception Handling in detail. **8**  
d) Write a program in C# to test whether a number is Even or Odd. **8**

**Either**

3. a) What is distributed application ? Explain in detail. **8**  
b) Write a program to demonstrate web form controls. **8**

**OR**

- c) What is interface ? Explain the use of Graphical device interface with C#. **8**  
d) Create a ASP .Net web form which will perform Arithmetic operation after providing two numbers. **8**

**Either**

4. a) What is .Net Assemblies ? Explain in detail private and share Assemblies. **8**  
b) Explain the following : **8**  
i) Type discovery ii) Viewing metadata

**OR**

- c) Write short note on : **8**  
i) Built in attributes.  
ii) Remoting  
d) Explain the concept of thread with an example. **8**

5. Solve all the questions. **8**  
a) Explain evolution of C# .NET **4**  
b) Write short note on multicast delegate. **4**  
c) Explain unsafe mode in C# .NET **4**  
d) Write short note on versioning. **4**

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