VI Semester Int. M.C.A. Examination, February/March 2010
.NET PROGRAMMING

Time: 3 Hours Max. Marks: 100

Instructions: *1) Answer **all** questions in Part – **A**, **5** out of 8 questions in Part – **B** and **4** out of 6 questions in Part – **C**.*
*2) Part – **A**: Questions from **1 to 8** carry **1** mark **each** and **9 to 14** carry **2** marks **each**.*
*3) Part – **B**: **Each** question carries **8** marks*
*4) Part – **C**: **Each** question carries **10** marks*

PART – A

1. What is CLS ?
2. Define Encapsulation.
3. Which class is at the top of .NET classes ?
4. Give the syntax of structures in C#.
5. What is the syntax to inherit from a class in C# ?
6. What is the multicast delegate class ?
7. What is an interface class ?
8. What are Namespaces ?
9. How is method overloading different from method overriding ?
10. What is use of static constructor in C# ?
11. What is the use of 'new' in inheritance ?
12. Is it possible to have two Main () in a C# code ? If so, how is it resolved.
13. What is the difference between a struct and a class ?
14. What are the access specifiers available in C# ?

PART – B

1. Explain the execution model of .NET framework.
2. Explain creating and using delegates with an example.
3. What do you mean by C# preprocessor directives ? With an example, explain how to specify code regions.
4. What is jagged array ? Explain its use with simple example.
5. What is the use of 'is' operator in interfaces ? Explain.
6. Explain arrays and arraylist with an example.
7. Explain the concept of static methods and static data with suitable examples.
8. What do you mean by 'params; in parameter passing ? Explain with an example.

PART – C

1. What are the basic output optins of the C# compiler ? Explain.
2. With a neat diagram, explain how the CLR is the heart and soul of the .NET framework. What are the services provided by the CLR ?
3. Illustrate with an example, how would you build custom exceptions.
4. Discuss about assemblies in detail.
5. Explain creating and using of delegates with an example.
6. Discuss about indexers in detail.

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