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B.E/ B.Tech. (Full-Time) END SEMESTER EXAMINATIONS, NOV/DEC 2011

BRANCH: IT

VII SEMESTER – REGULATIONS 2004

IT520 C# and .Net Programming

Time: 3 hrs.

Max.Marks:100

Answer All Questions

Part – A (10X2 = 20 Marks)

1. Differentiate a struct and a class.
2. Explain read-only and write-only properties.
3. What is a jagged array?
4. What is the difference between a class and an interface?
5. List any four data providers supported in C#.
6. What is the significance of server side controls?
7. What is MSIL?
8. Differentiate safe and unsafe code.
9. Define marshalling.
10. What is a web service? Explain its uses.

PART B (5 X 16 = 80 Marks)

11. (i) Summarize the features of .NET framework. (8)
(ii) Write a C# code to demonstrate operator overloading. (8)
12.
(a) (i) Explain the uses of indexers with an example. (8)
(ii) Explain multicast delegate with an example. (8)

(OR)

- (b) (i) What is the connection between events and delegates? Explain. (8)
(ii) List any two systems defined exception and explain their uses. (8)

13.

- (a) (i) Explain the process of reading the content of MS access database file through ADO.NET (8)
(ii) List the different validation controls supported in ASP.NET (8)

(OR)

- (b) (i) Write a ASP.NET web application to calculate simple interest. (8)
(ii) Compare the features of ASP.NET with ASP (8)

14.

- (a) (i) Explain the features of CLR. (8)
(ii) Using reflection, write a C# code to display the meta data of a class. (8)

(OR)

- (b)
(i) How are assemblies created? Explain. (8)
(ii) Explain the .NET application deployment process. (8)

15.

- (a) Explain remoting architecture and discuss the implementation details.

(OR)

- (b) (i) List the stream classes supported in C#. (8)
(ii) Explain the steps involved in the creation of web services. (8)