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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2012

INFORMATION TECHNOLOGY BRANCH

Semester VI

CS 9029 .Net and C# programming

(Regulation 2008)

Time : 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What are 'partial classes'?
2. Give examples of 'visibility modifiers'.
3. Discuss 'anonymous methods'.
4. Explain 'unsafe code'.
5. What are 'thread pools'?
6. Explain 'role based security'.
7. How do you populate a DataSet?
8. Give an example SOAP request and response.
9. What is the 'global assembly cache'?
10. How do you write 'custom attributes'?

Part – B (5 x 16 = 80 marks)

11. (i) Describe each C# Preprocessor Directive with examples (6 marks)
(ii) Describe the Array and Collection Interfaces with examples (6 marks)
(iii) What are the is, as, sizeof and typeof operators (4 marks)
12. a) Discuss in detail how to free unmanaged resources, with appropriate examples.

OR

b) Discuss in detail generic classes, interfaces, methods and delegates, with appropriate examples.
13. a) Describe the details of how the file system is managed. Draw appropriate diagrams.

OR

b) Describe the details of how network programming is done. Draw appropriate diagrams.

14. a) (i) Describe any four of the standard controls and components in Windows Forms. (8 marks)
(ii) Discuss the different aspects of ASP.NET web forms. (8 marks)

OR

- b) (i) Describe any four aspects of Forms, SDI (Single Document Interface) and MDI (Multiple Document Interface). (8 marks)
(ii) Discuss the different aspects of ASP.NET controls. (8 marks)

15. a) Write short notes on
(i) cross language support in assemblies (8 marks)
(ii) CLR hosting (8 marks)

OR

- b) Write short notes on
(i) shared assemblies (8 marks)
(ii) appdomains (8 marks)