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2

B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013

COMPUTER SCIENCE AND ENGINEERING

Sixth Semester

CS9029 - .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 the input elements of a C# program?
2. To access the current objects, the this reference can be allowed in the block of a static method. Justify your answer.
3. Write the difference between implementation inheritance and interface inheritance.
4. In what way regular expression is helpful in performing high-level operations on strings?
5. What is the usage of filters in tracing?
6. List the synchronization technologies in C#.
7. How the server control is done in ASP.NET? Specify the types.
8. How to bind the data with ADO.NET?
9. What is mean by global assembly cache?
10. What is an identifier? What are the rules followed in forming C# identifier?

Part – B (5 x 16 = 80 marks)

11. i. Write a program to get an automatic reply message to your cell phone while you made any transaction in online. Describe solution in real time problems in terms of objects and responsibility. (8)
ii. Write a program for preparing income tax details of employees in an organization. You can make use of existing pay particulars of employees. (8)
12. a) i. Which feature is introduced in .NET for pass methods around to other methods? Implement the bubble sorter using delegates. (10)
ii. Write a program to initialize strings using constructors, Also read values of all primitive data types from keyboard and print the same. (6)

OR

- b) i. How the exceptions handled in C#? Explain with suitable example in detail. (10)
ii. Write short note on: Generics, Collections. (6)

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13. a) i. How to move, copy, and delete a file in C #? Explain with example. (8)
ii. Create a XML document for bookstore and validate with XmlReader. (8)

OR

- b) i. Write a program that creates a collection of six items. Do the read locks to read all items of the list and write them to the console also write lock to change all values of the collection? (10)
ii. Explain the tracing architecture with neat diagram. (6)
14. a) i. Compare ASP with ASP.NET. (8)
ii. Write a web based application to implement a ticket status checking system. (8)

OR

- b) Explain the web service architecture. What are the steps involved in the creation and consumption of web services. Explain with an example. (16)
15. a) Write a remoting application which returns the maximum and minimum temperature of a given city. (16)

OR

- b) i. Describe about assemblies in detail. (8)
ii. What is reflection? Explain with example. (8)