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Question Paper Code: 39209

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

Elective

Computer Science and Engineering

01UCS909 - C# AND .NET FRAMEWORK

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. What are the different applications of C#??
2. What is the significance of MSIL?
3. List the operators that cannot be overloaded.
4. What is method overloading?
5. Give the code segment to fill dataset.
6. Define data adapter.
7. Describe the procedure involved with database connectivity.
8. What are the advantages of using server controls over HTML controls?
9. Distinguish between marshal by value and marshal by reference.
10. Define Remoting in .Net Framework.

PART - B (5 x 16 = 80 Marks)

11. (a) (i) Create a C# program to merge two arrays into a single sorted array. (8)
(ii) Develop a C# program to count the number of words in a line of text. (8)

Or

- (b) Explain in detail about checked and unchecked operators in C# with examples. (16)

12. (a) Explain in detail about Interfaces in C# with example. (16)

Or

- (b) Consider a student class with feet and inches as attributes which describes the height of the student. Write a C# program to overload the + operator and to find the average of N students. (16)

13. (a) Write a windows application in C# for emulating a very basic calculator that performs addition, subtraction, multiplication and division operations. (16)

Or

- (b) Explain in detail about how SQL server is connected with the ADO.Net with example. (16)

14. (a) Explain in detail about the lifecycle of a web forms. (16)

Or

- (b) Describe the steps in creating web services in .NET technology. (16)

15. (a) Explain in detail about Security in .Net Framework. (16)

Or

- (b) Quote the purpose of remoting and describe the steps involved in the process of creating remoting application. (16)
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