Question Paper Code: 39209

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

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. Define multi module assemblies.

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) (i) How do you hide a method and override a method? Explain with suitable examples. (8)

   (ii) Compare abstract and sealed classes. (8)

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) Apply the methods available for window based applications and build an application to accept the reservation details of a train ticket and to store the details in a database table. Use drop down list box to choose the train number and name. Accept source and destinations in text boxes. Allow the user to enter the date of journey one month in advance. Assume that in each train, there are thirty tickets and every booking should have a unique number. (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) Develop an application which requires simple and compound marshalling, Explain how these are performed. (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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