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Question Paper Code: 49209

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

Elective

Computer Science and Engineering

14UCS909 - C# and .NET FRAMEWORK

(Regulation 2014)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. What does the term 'immutable' means in term of string objects?
 - (a) We can modify characters included in the string
 - (b) We cannot modify characters contained in the string
 - (c) We cannot perform various operation of comparison, inserting, appending etc
 - (d) None of these
2. Choose the correct statements about enum used in C#.NET?
 - (a) An enum variable cannot have a private access modifier
 - (b) An enum variable can be defined inside a class or a namespace
 - (c) An enum variable cannot have a protected access modifier
 - (d) An enum variable cannot have a public access modifier
3. Choose the statements which makes delegate in C#.NET different from a normal class
 - (a) Delegates in C#.NET is a base class for all delegates type
 - (b) Delegates created in C#.NET are further not allowed to derive from the delegate types that are created
 - (c) Only system and compilers can derive explicitly from the Delegate or Multicast Delegate class
 - (d) None of these

4. A type of class which does not have its own objects but acts as a base class for its subclass is known as
 - (a) Static class
 - (b) Sealed class
 - (c) Abstract class
 - (d) None of these
5. Syntax for closing and opening the connection in ADO.net is
 - (a) sqlconn.Open() and sqlConn.close()
 - (b) sqlConn.open() and sqlConn.Close()
 - (c) sqlConn.Open() and sqlConn.Close()
 - (d) None of these
6. What is the name of the property of ASP.NET page that you can query to determine that a ASP.NET page is being requested not data being submitted to web server?
 - (a) FirstGet
 - (b) Initialized
 - (c) IncludesData
 - (d) IsPostBack
7. In ASP.NET application DLL files are stored in
 - (a) APP_Code
 - (b) APP_Data
 - (c) Bin
 - (d) APP_LocalResources
8. Application_Start event is available in which file?
 - (a) Global.asax
 - (b) Local.asax
 - (c) Web.config
 - (d) None of these
9. Contents of assembly file can be investigated using
 - (a) ILDASM.exe
 - (b) ILDASM.dll
 - (c) ILDASM.inc
 - (d) ILDASM.aspx
10. Which utility can be used to compile managed assemblies (like Dll's and EXE) into native code
 - (a) Gacutil
 - (b) Ngen
 - (c) Sn
 - (d) Dumpbin

PART - B (5 x 2 = 10 Marks)

11. Define variable size array.
12. What is delegate? List the steps involved in creation and usage of delegates.
13. Define Data Set and Data Reader.
14. What is Web services.
15. Distinguish the two types of attributes in .NET.

PART - C (5 x 16 = 80 Marks)

16. (a) Explain in detail about Operators in C# programming language with suitable example. (16)

Or

- (b) Demonstrate method overloading in C# with suitable example program. (16)

17. (a) Describe the concept of delegates with an example program. (16)

Or

- (b) Write a C# Program to illustrate Handling an Event Declared in an Interface. (16)

18. (a) Describe the steps for accessing data with ADO.NET. Write a C# program to manage friends address book. (16)

Or

- (b) Write a database application to display the details of employee table details in a data grid control using ADO.NET. (16)

19. (a) Create a simple Web Service that converts the temperature from Fahrenheit to Celsius, and vice versa using ASP.NET. (16)

Or

- (b) Develop an ASP.NET/C# application with two text box controls (Company name and Contact name) and a button control. After submitting the form, the application displays the Company name and Contact name on the screen. (16)

20. (a) Explain the concept of reflection with an example program. (16)

Or

- (b) Develop a program to create threads for the functions of printing multiple of 5 upto 10000 and even numbers in descending order in the range 1-10000. (16)

