R18

SIDDHARTH GROUP OF INSTITUTIONS:: PUTTUR
(AUTONOMOUS)
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QUESTION BANK (DESCRIPTIVE)

Subject with Code: .NET Technologies (18MC9134)   **Course & Branch**: MCA

Year & Sem: III-MCA & I-Sem   **Regulation:** R18

UNIT –I

INTRODUCTION TO .NET FRAMEWORK, C#.NET PROGRAMMING

1	Explain briefly about Microsoft .net Framework Architecture.	[L5][CO1]	**[12M]**
2	a) Explain about goals in .Net framework.	[L2][CO1]	**[6M]**
	b) Explain .Net platform.	[L2][CO1]	**[6M]**
3	Explain in detail about Assemblies.	[L5][CO1]	**[12M]**
4	Explain the following a) CLR b) CTS c) CLS	[L2][CO1]	**[12M]**
5	a) List some common elements in C#. Explain Namespace.	[L1][CO2]	**[6M]**
	b) List various features of C#.	[L1][CO2]	**[6M]**
6	a) Explain class and structures in C# with example program.	[L2][CO2]	**[6M]**
	b) Compare class with structures.	[L4][CO2]	**[6M]**
7	Discuss about Inheritance and its types with an example.	[L6][CO2]	**[12M]**
8	Demonstrate various C# control statements with example program.	[L2][CO2]	**[12M]**
9	a) Explain various Data types in C#.	[L2][CO2]	**[6M]**
	b) Write short notes on interface in C#.	[L1][CO2]	**[6M]**
10	a) What is an array?	[L1][CO2]	**[4M]**
	b) Explain the types of array with an example.	[L5][CO2]	**[8M]**

UNIT –II

INTRODUCTION TO VB.NET

1	**a)**	What are the features of VB.Net?	[L1][CO2]	**[6M]**
	b)	List the advantages and disadvantages of VB.Net.	[L1][CO2]	**[6M]**
2	**a)**	Write short note on VB.Net.	[L1][CO2]	**[6M]**
	b)	Explain details about modules with an example.	[L2][CO2]	**[6M]**
3		Give brief explanation about windows forms controls.	[L4][CO2]	**[12M]**
4	**a)**	Explain about Arrays with example in VB.Net.	[L5][CO2]	**[9M]**
	b)	Explain the declaration of variable in VB.Net.	[L2][CO2]	**[3M]**
5		Explain with example how to handle the error in VB.Net.	[L5][CO2]	**[12M]**
6	**a)**	Explain in detail about files in VB.Net.	[L2][CO2]	**[6M]**
	b)	Explain in detail about directories in VB.Net.	[L2][CO2]	**[6M]**
7		Explain various dialog box controls in VB.Net.	[L5][CO2]	**[12M]**
8		Identify various properties to set and get for windows forms controls.	[L3][CO2]	**[12M]**
9	**a)**	Identify various components in Windows Application.	[L3][CO2]	**[9M]**
	b)	Describe in detail about regular expression with example.	[L1][CO2]	**[3M]**
10		Explain in detail about threading with an example.	[L2][CO2]	**[12M]**

UNIT –III

APPLICATION DEVELOPMENT USING ADO .NET

1	**a)**	Write short notes on ADO .Net providers.	[L1][CO2]	**[6M]**
	b)	What are the different ways to access database in ADO .Net?	[L1][CO2]	**[6M]**
2		Explain about ADO .Net features and architecture.	[L2][CO2]	**[12M]**
3	**a)**	What is a connection in ADO .Net?	[L1][CO2]	**[6M]**
	b)	Explain connection opening and closing.	[L2][CO2]	**[6M]**
4	**a)**	Write short note on command object.	[L1][CO3]	**[6M]**
	b)	Explain Dataset with its characteristics.	[L2][CO3]	**[6M]**
5		List and explain basic controls in ASP.Net with examples.	[L5][CO4]	**[12M]**
6		Explain in detail about creation of a Data table and working with columns.	[L5][CO3]	**[12M]**
7	**a)**	Explain the advantages of ASP.Net.	[L2][CO4]	**[6M]**
	b)	Describe the steps for working with ASP.Net.	[L2][CO4]	**[6M]**
8		List and explain validation controls in ASP.Net with examples.	[L4][CO4]	**[12M]**
9	**a)**	What is a session in ASP.Net? Explain with example.	[L2][CO4]	**[6M]**
	b)	What is a Cookie? Explain with example.	[L2][CO4]	**[6M]**
10		Discuss in detail about creation of Crystal Report.	[L6][CO3]	**[12M]**

UNIT –IV
XML

1	a)	What is an XML? Explain its advantages.	[L1][CO4]	**[6M]**
	b)	Explain in detail about Reading and Writing XML.	[L2][CO4]	**[6M]**
2		Describe in detail about XML data using XMLReader and XMLWriter	[L2][CO4]	**[12M]**
3	a)	Why is it necessary to validate XML?	[L1][CO4]	**[6M]**
	b)	Write the steps how to validate XML.	[L1][CO4]	**[6M]**
4		Discuss about XML DOM Object Model.	[L6][CO4]	**[12M]**
5		Give brief description about transforming XML Data with XSLT.	[L3][CO4]	**[12M]**
6		Explain with example program how to reading XML with the XMLReader Class.	[L5][CO4]	**[12M]**
7		Explain with example program how to Writing XML with the XMLWriter Class.	[L5][CO4]	**[12M]**
8		Explain in detail about the XML Data Validation.	[L5][CO4]	**[12M]**
9		Explain in detail about the XML with ADO.NET.	[L2][CO4]	**[12M]**
10		What are the different ways for reading XML from a Database?	[L1][CO4]	**[12M]**

UNIT –V

.NET MOBILE

1	Explain details about the introduction of .Net Mobile with an example.	[L2][CO5]	**[12M]**
2	Describe in detail about Forms & Emulators with an example.	[L2][CO5]	**[12M]**
3	Describe in detail about Lists with an example.	[L2][CO5]	**[12M]**
4	Explain details about the Events with an example.	[L5][CO5]	**[12M]**
5	**a)** Write short notes on Mobile .net images to display on various devices.	[L1][CO5]	**[4M]**
	b) List various utilities used in .net Mobile.	[L4][CO5]	**[8M]**
6	Explain various validations performed for input data.	[L5][CO5]	**[12M]**
7	**a)** Describe in detail about selection in .net Mobile.	[L2][CO5]	**[6M]**
	b) List various user interface controls.	[L4][CO5]	**[6M]**
8	Discuss various controls used to collect input from the mobile user.	[L6][CO5]	**[12M]**
9	Explain the following with an example. a) AdRotator Control b) Calendar Control c) Phone call Control	[L2][CO5]	**[12M]**
10	Explain the following with an example. a) Drop Down List b) Check Boxes c) Radio Buttons	[L2][CO5]	**[12M]**

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