



**SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR**  
Siddharth Nagar, Narayanavanam Road – 517583

**QUESTION BANK (DESCRIPTIVE)**

**Subject with Code :** .NET Technologies (16MC829)

**Course :** MCA

**Year & Sem:** II-MCA & II-Sem

**Regulation:** R16

**UNIT –I**

- 1 Explain details about the .NET Framework Architecture? 12M
- 2 Describe details about the .NET Platform & .NET Framework Design goals? 12M
- 3 Explain the CTS, CLS and CLR Execution? 12M
- 4 Describe the Metadata & JIT Compilation? 12M
- 5 Give brief description about the Assemblies and Manifest? Write short notes on Intermediate Languages? 12M
- 6 Explain details about Types and classes with an example? 12M
- 7 Describe the LINQ Programming and MSIL Programming? With an example? 12M
- 8 Write short notes on Inheritance? Discuss the various types of Inheritance with an example? 12M
- 9 Describe the Delegates, Events and Generics? 12M
- 10 Give brief description about the Polymorphism? 12M
- 11 Write a short note on Array? Explain the types of Array with an example? 06M
- 12 Explain details about the Interfaces with an example? 06M
- 13 Discuss about the collections with an example. 12M
- 14 Describe details about Structures and Enumerations with an example? 12M

**UNIT –II**

- 1 Write a short note on VB.Net? Explain details about Modules with an example? 12M
- 2 Give brief explanation the Windows forms control creation? 12M
- 3 Explain details about the GDI+? 12M
- 4 Describe details about the Threading? With an example? 12M
- 5 Explain details about the Reflection? 12M
- 6 Explain the Array and lists with an example? 06M
- 7 Explain details about Files and Directories with an example? 12M
- 8 Describe details about the Windows forms Applications and windows services? 12M
- 9 Explain the Streams and object Serialization with an example? 12M
- 10 Give the details about the Assemblies and App Domains? 06M

### UNIT –III

- 1 Describe details about the Features and Architecture of ADO.Net? 12M
- 2 Write a short note on ADO.Net Providers? Explain details about the Accessing Data bases using ADO.Net with an example? 12M
- 3 Describe details about the Data sets, Data tables and Controlling table views and Data views? 12M
- 4 Explain details about the Data binding in windows forms and web forms? 12M
- 5 Discuss the concept of Command objects and Data relation objects? 12M
- 6 Describe details about the ASP.Net Controls and catching? 12M
- 7 Give briefly details about Authentication & Authorization? 06M
- 8 Explain details about Creating setup and Deployment? 06M
- 9 Describe details about Crystal reports? 12M

10 Explain details about the web user controls & working with web Config file? 12M

**UNIT –IV**

- 1 A) Write a short note on XML? Explain details about the Reading and Writing XML. 06M  
B) Discuss with Manipulating XML with DOM? 06M
- 2 A) Describe details about XML Data using XmlReader and XmlWriter. 07M  
B) Briefly discuss about XML DOM object model. 05M
- 3 A) Explain details about the XML Data validation? 06M  
B) Give brief description about Transforming XML Data with XSLT. 06M
- 4 Explain in detail about the XML and ADO.Net? 12M
- 5 Explain details about the SOAP Fundamentals? 12M
- 6 Give brief introduction about the REST and JSON. 12M
- 7 Describe details about the SOAP with the .Net Framework? 12M
- 8 Explain details about the web services protocols and standards? 12M
- 9 Discuss the Developing a WCF Web services? 12M
- 10 Explain details about Creating and consuming AJAX? 12M

**UNIT –V**

- 1 Explain details about the introduction of .Net Mobile with an example? 12M
- 2 Describe details about Forms & Emulators with an example? 06M
- 3 Describe details about Lists with an example? 12M
- 4 Explain details about the Events with an example? 12M
- 5 Describe details about the Images and utilities? 12M
- 6 Explain details about Input & Validation? 12M
- 7 Describe details about Selection & images? 12M

8 Describe details about the Events and lists?

06M

Prepared by – P. Karthikeyan,  
Assistant Professor,  
MCA Department.