

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)

**MCA II Year II Semester Regular & Supplementary Examinations August-2023**  
**.NET TECHNOLOGIES**

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

- 1 a Discuss about .NET in detail. CO1 L2 6M  
b Explain about goals in .NET Framework. CO1 L2 6M

OR

- 2 a Identify the steps involved in compilation of .NET using JIT. CO1 L3 6M  
b Explain how memory management done automatically. CO1 L2 6M

**UNIT-II**

- 3 a List out various Control Statements in VB.NET. CO2 L1 6M  
b Develop an application to display the numbers from 1 to n in VB.NET. CO2 L6 6M

OR

- 4 Explain the methods to display the output and to read the input values in VB.NET Applications. CO2 L2 12M

**UNIT-III**

- 5 a Explain various Data types in C#. CO3 L2 6M  
b What are the rules for setting an Identifier? CO3 L1 6M

OR

- 6 a Demonstrate Multilevel inheritance in C# with an example program. CO3 L2 6M  
b Demonstrate C# Interface with an example program. CO3 L2 6M

**UNIT-IV**

- 7 a Write short note on command object. CO4 L1 6M  
b Explain Dataset with its characteristics. CO4 L2 6M

OR

- 8 Differentiate Connected-Oriented Architecture with Disconnected-Oriented Architecture in ADO.Net. CO4 L4 12M

**UNIT-V**

- 9 a Explain ASP.Net with its benefits. CO5 L2 6M  
b Explain Hidden Field and Query String to maintain the state management in ASP. CO6 L2 6M

OR

- 10 List and explain various login controls in ASP.Net CO3 L2 12M

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