

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

MCA II Year II Semester Regular & Supplementary Examinations June/July-2025
.NET TECHNOLOGIES

Time: 3 Hours

Max. Marks: 60

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

UNIT-I

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

OR

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

UNIT-II

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|---|---|---|-----|----|----|
| 3 | a | What are the features of VB.Net? | CO2 | L1 | 6M |
| | b | Identify the merits and demerits of VB.NET. | CO2 | L3 | 6M |

OR

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|---|---|--|-----|----|----|
| 4 | a | What are the various Conditional Statements in VB.NET? | CO2 | L1 | 6M |
| | b | Develop an application to find the biggest of three numbers in VB.NET. | CO2 | L5 | 6M |

UNIT-III

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|---|---|--|-----|----|----|
| 5 | a | What is an array? How can we declare an array? | CO3 | L1 | 4M |
| | b | Explain the types of arrays with an example. | CO3 | L5 | 8M |

OR

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|---|---|---|-----|----|----|
| 6 | a | Explain Method Overriding in C# with an example program. | CO3 | L2 | 6M |
| | b | Illustrate various types of Type Conversions in C# with suitable example. | CO3 | L2 | 6M |

UNIT-IV

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|---|---|--|-----|----|----|
| 7 | a | Write short notes on ADO .Net providers. | CO4 | L1 | 6M |
| | b | Discuss different ways to access database in ADO .Net? | CO4 | L2 | 6M |

OR

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

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|---|---|--|-----|----|----|
| 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. | CO5 | L2 | 6M |

OR

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| 10 | | Distinguish in detail about Authentication and Authorization in ASP. | CO5 | L4 | 12M |
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