

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

B.Tech. III Year II Semester Regular & Supplementary Examinations June-2025
AI IN WEB TECHNOLOGIES
CSE(Artificial Intelligence)

Time: 3 Hours**Max. Marks: 60**

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

UNIT-I

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|---|---|--|-----|----|----|
| 1 | a | Briefly explain the Architecture of WEB. | CO1 | L2 | 6M |
| | b | Discuss the advantage of using HTML 5.0 in developing web application. | CO1 | L2 | 6M |

OR

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|---|---|--|-----|----|----|
| 2 | a | Discuss the Levels of DOM. | CO1 | L2 | 6M |
| | b | Explain various ways selectors are used to desing the web page using CSS with example. | CO1 | L2 | 6M |

UNIT-II

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|---|---|---|-----|----|----|
| 3 | a | What is responsive image and explain with example? | CO2 | L2 | 6M |
| | b | Discuss the advantages and disadvantages of Single Page web application | CO2 | L2 | 6M |

OR

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|---|---|--|-----|----|----|
| 4 | a | Explain the core features of AngularJS. | CO2 | L2 | 6M |
| | b | Describe web applications with an example. | CO2 | L2 | 6M |

UNIT-III

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|---|---|---|-----|----|----|
| 5 | a | Illustrate the Life cycle of servlets. | CO3 | L2 | 6M |
| | b | Distinguish between GenericServlet and HttpServlet. | CO3 | L2 | 6M |

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|---|---|--|-----|----|----|
| 6 | a | Discuss about http servlet Response with syntax. | CO3 | L2 | 6M |
| | b | Discuss about Post method with an example. | CO3 | L2 | 6M |

UNIT-IV

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|---|---|---|-----|----|----|
| 7 | a | Describe the difference between synchronous and asynchronous callbacks in Node.js | CO4 | L2 | 6M |
| | b | Build a basic web server that responds with "Hello, World!". | CO4 | L3 | 6M |

OR

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|---|---|--|-----|----|----|
| 8 | a | Illustrate how a Node.js web server handles an HTTP request. | CO4 | L2 | 6M |
| | b | Build an applition to store and retrieve session data in an Express application. | CO4 | L3 | 6M |

UNIT-V

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|---|---|---|-----|----|----|
| 9 | a | Explain Briefly Mongo DB Framework. | CO5 | L2 | 6M |
| | b | Analyze how data flows between frontend (Angular) and backend (Node.js) when using MongoDB. | CO5 | L4 | 6M |

OR

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|----|---|---|-----|----|----|
| 10 | a | Illustrate Ruby on Rails framework. | CO5 | L2 | 6M |
| | b | Compare the MVC architecture of Django with the full-stack approach of Meteor.js. | CO5 | L4 | 6M |

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