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| Prasad V. Potluri Siddhartha Institute of Technology::Autonomous |
| Department of Computer Science and Engineering |
|  Course: **B.Tech** |  Year: **III** |  Semester: **II** |  Descriptive Exam: **I** |  **A.Y: 2024-2025** |
|  Subject Code:**20CS3603** |  Subject Name: **MERN STACK DEVELOPMENT** | Regulation: **PVP20** |
|  Duration: **1 hr. 30 min** |  **Maximum Marks: 15 Marks** | Date: **25-03-2025** |
| **Answer all the Questions. Each Question carries 5 Marks 3×5M=15M** |
| **Q. No** | **Question** | **Marks** | **CO** | **Cognitive Level** |
| **1** | 1. Explain about the Node.js-to-Angular stack in detail.
 | **3** | **CO1** | **L2** |
|  | 1. Build an HTML page including any required JavaScript that takes a number from one text field in the range of 0 to 999 and shows it in another text field in words. If the number is out of range, it should show “out of range” and if it is not a number, it should show “not a number” message in the result box.
 | **2** | **CO1** | **L3** |
| **2** | Demonstrate how to Publish, Install and functions in a Node.js Packaged Module from the NPM Registry  | **5** | **CO2** | **L3** |
| **3** | 1. Explain Request, Response and server objects
 | **2** | **CO1** | **L2** |
| 1. Implement HTTP Servers and Clients in Node.js with a suitable code example.
 | **3** | **CO2** | **L3** |