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| **P.V.P Siddhartha Institute of Technology(Autonomous)** | **Signature of Invigilator with date:** | **Marks Obtained:** |
| **Department of Computer Science and Engineering** |
| **Course: B.Tech** | **Year: III** | **Semester: II** | **Objective: I** |
| **Regulation: PVP20** | **Maximum Marks:10Marks** | **Session: F.N** |
| **A.Y: 2024-25** | **Date: 22-01-2025** | **Duration: 20 min** |
| **Subject Code: 20CS3603** | **Subject Name: MERN STACK DEVELOPMENT** |
| **Registered Number:** | **Name:** |
| **Answer all the Questions. Each Question carries ½ Mark 20×½ M=10M** |
| **S.No** | **Question** | **CO** | **Level** | **Answer** |
|  |  Which of the following is not a front-end technology? | CO1 | L2 | C |
| A) HTML |  B) CSS |
| C) SQL |  D) JavaScript |
|  | A web server in MERN Stack Development is \_\_\_\_. | CO1 | L2 | C |
| A) Rendering the user interface | B) Handling client-side interactions | C)Executing server-side code and processing requests | D) Writing server-side logics |
|  | Amongst which of the following protocol is used to exchange the data between client and server? | CO1 | L2 | A |
| A) HTTP | B) TCP/IP | C) SMTP | D) FTP |
|  | What is the purpose of CSS in Full stack development? | CO1 | L2 | A |
| A) To style and format HTML elements | B) To manage http request and response | C) To store and retrieve data | D) None of the above |
|  | Amongst which of the following is not a NoSQL database used in Full Stack Development? | CO1 | L2 | A |
| A) MongoDB | B) PostgreSQL | C) CouchDB | D) Hadoop |
|  | Which of the following is a type of pop-up box in JavaScript? | CO1 | L2 | B |
| A) Console | B) alert | C) Do  | D) Canvas |
|  | **Which of the following is true in the context of npm?** | CO1 | L2 | B |
| A) **npm is a node project manager and is used to manage node projects** | B) **npm is a node package manager and is used to install and manage packages** | C) **npm is a new project manager and is used to create new node projects** |  D) **npm is a new package manager and it used to install new packages** |
|  | **<p id="demo"></p>****<script>****var js = 10;****js \*= 5;****document.getElementById("demo").innerHTML = js;****</script>** | CO1 | L2 | C |
| A) 5 | B) 10 | C) 50  | D) Error |
|  | **function compare()****{** **let a=2;** **let b=2.0;** **if(a==b)** **return true;** **else** **return false;****}** | CO1 | L2 | A |
| A) True | B) False | C) Compilation error | D) Runtime error |
|  | **Which of the following is the property that is triggered in response to JS errors?** | CO1 | L2 | A |
| * A) onclick
 | * B) onerror
 | * C) onmessage
 | * D) onexception
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**P.T.O**

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|  | What is Node.js commonly used for? | CO1 | L2 | D |
| A) Managing databases  | B) Developing mobile apps |
| C) Creating user interfaces | D) Building server-side applications |
|  | Which keyword is used to export functionality from a Node.js module? | CO1 | L2 | D |
| A) include | B) require | C) module | D) export |
|  | Which of the following Node.js modules is used for handling file system operations? | CO1 | L2 | B |
| A) url | B) fs |
| C) events | D) HTTP  |
|  |  Which of the following is true about Node.js modules? | CO1 | L2 | B |
| A) **Modules are only used for HTTP requests** | B) **Modules are reusable pieces of code** | C) Modules are always built-in | D) Modules cannot be created by users |
|  | Which of the following shortcut commands is used to kill a process in Node.js? | CO1 | L2 | C |
|  A) Ctrl + Z | B) Ctrl + X |
|  C) Ctrl + C | D) Ctrl + K |
|  | Which JavaScript engine is used by Node.js? | CO1 | L2 | A |
| A) V8 | B) SpiderMonkey | C) JavaScriptCore | D) Chakra |
|  | How do you install a package locally using npm in a Node.js application? | CO1 | L2 | C |
| A) npm install -local <package-name> | B) npm run install <package-name> |
| C) npm install <package-name> | C) npm local install <package-name> |
|  | What is the purpose of the `package.json` file in a Node.js project? | CO1 | L2 | A |
| A) To manage project dependencies | B) To store environment variables | C) To define server configurations | D) To log errors |
|  | Which method is used to create a new instance of a server in Node.js? | CO1 | L2 | C |
| A) http.createServerInstance() | B) http.newServer() |
| C) http.createServer() | D) http.createInstance() |
|  | Which of the following allows Node.js to be scalable?  | CO1 | L2 | C |
| A) Multithreading | C) Event-driven architecture |
| B) Larger memory allocation | D) High CPU usage |