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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 | | | | |

**P.T.O**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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 | | | | |