# MERN STACK Part 1 marks:50          MCQs Part marks:20

**1. What is the purpose of the <title> tag in HTML?**
A. Defines the main heading    B. Specifies the document's title in the browser tab
C. Displays an image          D. Adds metadata to the HTML document

**2. Which HTML tag is used to create a table ro**
A. `<td>` B. `<tr>` C. `<th>` D. `<row>`

**3. Which attribute specifies an image's alternative tex**
A. `src` B. `alt` C. `href` D. `title`

**4. What is the default file extension for HTML document**
A. `.htm` B. `.html` C. `.css` D. `.txt`

**5. Which tag is used to create an ordered list?**
A. `<ul>` B. `<ol>` C. `<li>` D. `<list>`

6. **What does CSS stand for?**
A.Creative Style Sheets  B.Cascading Style Sheets   C.Computer Style Sheets   D.Colorful Style Sheets

7. **Which CSS property is used to set the text color of an element?**
A. `font-color` B. `text-color` C. `color`   D. `background-color`

8. **How can you add an external CSS file to an HTML document?**
A. `<link rel="stylesheet" href="styles.css">` B. `<style src="styles.css">`
C. `<css href="styles.css">` D. `<link href="styles.css">`

9. **Which property is used to change the font of an element?**
A. `text-style` B. `font-family` C. `font-style` D. `text-family`

10.**What is the correct syntax for a CSS comment?**
A. `<!-- comment -->` B. `/* comment */` C. `// comment` D. `** comment **`

11.**What is the correct syntax for a function in JavaScript?**
A. `function = myFunction()` B. `function myFunction()`
C. `function:myFunction()` D. `myFunction():function`

12.**Which symbol is used to add comments in JavaScript?**
A. `<!-- comment -->` B. `# comment` C. `// comment` D. `/* comment */`

13.**Which method can be used to find HTML elements by ID in JavaScript?**
A. `getElementByClass()` B. `getElementById()` C. `querySelector()` D. `getId()`

14.**What will console.log(typeof 42) return?**
A. `number` B. `string` C. `integer` D. `undefined`

15.**Which method converts a JSON object into a string?**
A. `JSON.stringify()` B. `JSON.parse()` C. `JSON.toString()` D. `JSON.convert()`

**16. What is JSX?**
   A. A JavaScript framework   B. A JavaScript extension that allows writing HTML in JavaScript
   C. A CSS preprocessor        D. A server-side scripting language

**17. Which of the following is true about React components?**
A. React components must be written as class components B. React components must return a single element
C. React components cannot have state D. React components do not support props

**18. Which hook is used to perform side effects in functional components?**
A. `useState`  B. `useEffect` C. `useRef`  D. `useContext`

**19. How do you pass data from a parent component to a child component in React?**
A. Using state B. Using props C. Using context D. Using a callback function

**20. What is the purpose of key in React lists?**
A. To uniquely identify DOM elements for performance optimization
B. To provide a value to child components   C. To validate React components   D. To bind event listeners

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## Practical Part marks:30

## Create a Sign-Up Screen
☐ Design a sign-up screen that includes:
   o   A title saying **"Create Account"**.
   o   Input fields for **Full Name**, **Email**, **Password**, and **Confirm Password**.
   o   A **Sign Up** button.
   o   A link at the bottom saying **"Already have an account? Login"**.

**You can take some sort of hint from this figma screen**
https://www.figma.com/design/OiYR6tnJrKWEygb4EddUvD/Sign-Up-Form-
(Community)?node-id=3-3&t=9aL7H7A20iaXUxOx-0

## Build a Simple Homepage Layout
☐ Create a basic homepage screen with:
   o   A header containing a logo and a navigation bar with three links: **Home**,
**About**, and **Contact**.
   o   A hero section with a large heading, subheading, and a call-to-action button.
   o   A three-column grid below the hero section displaying cards with an image, title, and short description.
**You can take hint from this figma screen**
https://www.figma.com/design/oRLYTfOpihGPovK2wjz2vB/FrontEnd
Practice-(Community)?t=Rq30xbmcwZgXdqrm-0

## Design a Profile Screen
☐ Include the following elements:
   o   A circular profile picture at the top.
   o   A title with the user's name.
   o   Three sections: **Personal Information**, **Activity History**, and **Settings**.
   o   A logout button at the bottom of the screen.
**You can take hint from this figma screen**

   https://www.figma.com/design/X47EKpnwnPsWQGTQSDfVe4/Profile-setting-page-UI
  -(Community)?node-id=0-1&p=f&t=U1wsrrH18IRE0AOp-0