

- 1) What do you mean by CSS? What are the different ways to create CSS?
- 2) What is JSON? Why to use JSON over XML?
- 3) Write at least any five Differences between HTML and HTML5.
- 4) What are the different design issues in web development?
- 5) What is purpose of HTTP?
- 6) How does a Web Browser work?
- 7) Describe the steps involved when a web browser requests for and obtains a web page from a web server.
- 8) Define the terms i. Website, ii. Web Page, iii. Web Server, iv. URL and v. Home Page.
- 9) Why is HTTP called a stateless protocol? Why is it so?
- 10) Discuss any three HTTP commands.
- 11) Discuss the idea of HTML tags with an example.
- 12) Describe any five HTML tags.
- 13) Explain
 - i) Inline CSS
 - ii) Internal CSS
 - iii) External CSS with example.

Which one more suitable for Web application having more than one page. Justify?

- 14) What is the use of static and dynamic web page? Enlist applications of static and dynamic web page.
- 15) Write a code to display the contents in tabular format as per the following screenshot.

Name	Subject	Marks
Aaradhya	Data Science and Big Data Analytics	75
	Web Technology	60
Vedant	Artificial Intelligence	80
	Information Security	75
Total Average: 72.5		

- 16) Investigate how you can set up your own website. What are the requirements for the same?
- 17) Create a web page that displays your own details in about 100 words, and includes your photographs.
- 18) Find out major differences between the two web browser- Internet Explorer and Mozilla Firefox.
- 19) Explain the need for XML in detail.
- 20) Define Frameset, Frame Tag. Write a HTML program to divide the web page into four equal parts each individual part displays different web page.
- 21) Write an HTML Page and also provide a JavaScript for accepting a user ID and Password from the user and validate it.
- 22) Explain any 4 text properties of CSS
- 23) What are the strength of XML technology?
- 24) What are DTDs? How do they work?
- 25) Explain the differences between external and internal DTDs.
- 26) What are XML schemas? How are they better than DTDs?
- 27) Explain the following document object properties with proper syntax. Give one example.

- i) `document.getElementById(id)`
- ii) `document.getElementsByTagName()`
- iii) `document.getElementsByClassName()`

28) Write a program to change the text of an element “Hello User” to “Welcome Student” with a function (use `getElementById()`)?

Hello User!

Click to change the text

- 29) List and explain the ways to create an object in JavaScript with example?
- 30) Explain the XSLT technology with an example.
- 31) What is HTML? *Do all HTML tags have end tag?*
- 32) What is the difference between HTML elements and tags?
- 33) What is a style sheet? How to you create a multi colour text on a web page using CSS?
- 34) What is the difference between progress and meter tag?
- 35) What are the new `<input>` types for form validation in HTML
- 36) List and Explain all the types of pop up boxes available in JavaScript
- 37) What is purpose of DOM Node Tree? Draw DOM Node tree for following HTML Page.

```
<html>
<head>
  <title>My Web Page</title>
</head>
<body>
  <h1>Welcome To My Web Page</h1>
```

</body>
</html>

- 38) Write a code for adding new elements (P along with text) dynamically in JavaScript?
- 39) Create a web page for Admission form with using all Tag in HTML.
- 40) What is use of static & dynamic web page? Enlist applications of static & dynamic web page.
- 41) Can javascript be in a separate file? Discuss in details.
- 42) What are key usage of JavaScript?
- 43) How are HTML form and JavaScript related.
- 44) Write an HTML Page and also provide a JavaScript for accepting a user ID and password from the user to ensure the input is not empty.
- 45) Write an HTML Page and stop the user if the user attempts to tab out of the user ID or password fields without entering anything.
- 46) How to create objects in Java Script? Explain with Suitable examples.
- 47) How to create array and read elements in java script.
- 48) What are the variable conventions available in Java Script?
- 49) Explain with example how to access values of textbox of form using JavaScript.
- 50) Explain how to call JavaScript from an HTML page.
- 51) List and brief the any five functions in JavaScript.
- 52) How to set a default parameter value for a JavaScript function?
- 53) How to open URL in new tab in javascript?
- 54) How do I declare a namespace in JavaScript?
- 55) What is JavaScript? How to validate any sample login form using JavaScript.
- 56) Design a form to accept workshop registration details from participants and validate any five fields using javascript (Assume suitable structure).
- 57) Explain Document Object Model (DOM) with suitable example.

- 58) Write differences between JavaScript and jQuery.
- 59) Why there are two different version of jQuery library?
- 60) What are the different Data Types available in JavaScript?
- 61) Write a program of your choice to demonstrate the use of DOM?
- 62) What are the errors made while processing the DOM?
- 63) What is the purpose of DOM Node Tree? Draw/Create DOM node tree for simple HTML page.
- 64) How does the relationship exist between the node, child and siblings in node-tree?
- 65) What are the properties of DOM involved in the system?
- 66) Write a program of your choice that uses Methods and properties of DOM?
- 67) What are the different properties of Nodes?