Web Design and Development

1. How do you generate random numbers in JavaScript?
2. How do you create a multiline string in JavaScript?
3. What are the let, const, and class keywords introduced in ES6? How do they differ from their ES5 counterparts?
4. What is jQuery and what is its main purpose in web development?
5. What is the purpose of the "alt" attribute in HTML image tags?
6. What is Bootstrap and what role does it play in web design?
7. Which CSS property is used to control the spacing between lines of text?
8. What does the "float" property in CSS do?
9. What does the "z-index" property in CSS control?
10. Which HTML tag is used to define a table row?
11. What does the method querySelector() do in JavaScript?
12. How do VPNs (Virtual Private Networks) enhance intranet security and connectivity?
13. Which code editor do you prefer for web design and development projects, and why?
14. What is an ID selector in CSS?
15. How do you create functions in JavaScript?
16. Can you explain the difference between function declarations and function expressions?
17. How do you create a new Google Sheet in your Google Drive?

18. What are the most common communication channels used for effective communication?
19. What is you meant by a website?
20. What is meant by Internet Protocol (IP address)?
21. How does computer hardware differ from software?
22. What is an interactive website?
23. When does web developer's personal computer will be called a local server?
24. What is the function of FTP client?
25. Write down the correct sequence of HTML tags for starting a webpage
26. Write the tag used for inserting the largest heading in HTML
27. Write down the tag used for inserting a line break in webpage?
28. How will you create a hyperlink in HTML?
29. What is meant by Cascading Style Sheets?

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30. Write the correct syntax for referring the external style sheet?

31. Which color code is used for printing?

32. Why a block statement is used in Javascript?

33. When interpreter encounters an empty statement, what it will do?

34. The ''function" and "var" are known as :?

35. Write the code in Javascript for getting output 1?

36. What will happen, if the following code is executed?

37. List the data types supported by Javascript?

38. What is FTP?

39. How to installed FTP Client?

40. Which color mode used for Web?

41. What is peripheral device? Give some example?

42. Write some Word Processor, Spread Sheet, Presentation Application Name?

43. What do you mean by Web Browser? Give some example?

44. What is meant by Network? Types of Network?

45. Type of Website?

46. Write down some developer tools?

47. Which type of software do you need for Web Designing

48. Give the example of FTP Clients?

49. What do you mean by Data Layer Applications, and give some examples of Data Layer Applications?

50. What kind of software is used for creating a Web Layout (UI)?

51. Write down the step of Work Environment Setup for Web Design and Development?

52. What is the difference between Java and JavaScript?

53. Write down step of NSDA Assessment?

54. What is Web and what is Internet?

55. How to upload website to Server / cPanel?

56. What is Server?

57. What is cPanel?

58. What is Domain & Hosting?

59. What are the three main components involved in a Client-Server Setup?

60. How can you create a responsive navigation bar using Bootstrap?

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61. How can you create a carousel of images using bootstrap?

62. How can Bootstrap be integrated into a project?

63. Write down some CSS Framework name?

64. What is the function in Excel? Write an example?

65. What is the purpose of slide transitions in PowerPoint?

66. How can you add animations to objects in PowerPoint?

67. How ca you spell check a document in Microsoft Word?

68. Which image format is best suited for photographs and images with gradients due to its ability to handle millions of colors and efficient compression?

69. What file extension is commonly associated with Photoshop plug-in files?

70. What is the function of a layer mask?

71. What is a Smart Object?

72. How do you display output in JavaScript? Explain the console.log() function.

73. Select the basic data types in JavaScript

74. How do you check the data type of a variable in JavaScript?

75. Which keyword is used to declare a variable in JavaScript

76. Which function is used to output data to the console in JavaScript?

77. What does the method querySelector() do in JavaScript?

78. What are arrays and objects in JavaScript?

79. What is the purpose of the setTimeout() and setInterval() functions in JavaScript?

80. How do you ensure accessibility compliance when integrating JavaScript libraries into web applications?

81. Which image format supports transparency and is commonly used for web graphics and images with transparent backgrounds?

82. Explain the difference between the == and === operators in JavaScript.

83. How do you use the break statement in loops and switches in JavaScript?

84. What are single-line and multi-line comments in JavaScript? How do you comment out code?

85. Write down basic data types in JavaScript

86. What are arithmetic operators in JavaScript? Provide examples?

87. Which operator is used for strict equality comparison in JavaScript?

88. Which built-in method is used to convert a string to an integer in JavaScript?

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89. What is the purpose of Tailwind CSS and how does it differ from other CSS frameworks like Bootstrap?
90. What are data types in JavaScript? Name a few examples.
91. How does an interactive website differ from static and dynamic websites?
92. Can you explain the basic purpose of FTP (File Transfer Protocol) software in web development?
93. How do you create HTML login form with submit button?
94. When should I consider using SVG images?
95. How do you apply multiple CSS classes to a single HTML element?
96. How do you create an ordered list in HTML?
97. How do you access arrays and objects and their elements/properties?
98. Can you explain the difference between for loop, while loop, and do-while loop?
99. How do you handle conditional statements in JavaScript?
100. What is the Document Object Model (DOM) in JavaScript?