**Web Technologies (BCA SEM I)**

**Unit I**

1. What is World Wide Web (WWW)?
2. What is the structure of an HTML page?
3. What is HTML?
4. What is a Home Page?
5. Differentiate between static and dynamic web page?
6. What is meant by client server computing?
7. What is a web client?
8. What is a web server?
9. What is a Web Browser? Give examples of Web Browsers.
10. What is a Search Engine? Give examples of search engines.
11. What is meant by URL?
12. What is meant by URI?
13. What is the difference between a website and a web portal?
14. What is a Tag in HTML?
15. What is the difference between empty tags and container tags?
16. What is the difference between implicit tags and explicit tags?
17. What is an anchor tag? Give an example.
18. How to use anchor tag to navigate on the same page?
19. What are frames? How to create frames?
20. What is an image map? How to create an image map?
21. What is <marquee> tag? What are the different attributes in marquee tag?
22. What is a form? How to create a form in HTML?
23. What is the difference between GET and POST methods?
24. What are the elements of a form?
25. What are different types of lists in a form? How to create them?
26. What are different formatting tags in HTML?
27. What is the purpose of <link> tag?
28. What are meta tags?
29. How to insert sound and video in a web page? Give an example.
30. How to insert special characters in a web page. Give Examples.

**Unit II**

1. What is the difference between internal, external and inline stylesheets?
2. How to use class and id in a stylesheet?
3. What are pseudoclasses?
4. What are Background properties in CSS?
5. What are font properties in CSS?
6. What are text properties in CSS?
7. What are Column properties in CSS?
8. What are Outline properties in CSS?
9. What are Border properties in CSS?
10. What are List properties in CSS?
11. What are Table properties in CSS?
12. What is the purpose of z-index property?
13. What is the purpose of position property?
14. What is the purpose of overflow property?
15. What is the purpose of display property?
16. What is CSS Box model?
17. What is Bootstrap?
18. What is meant by Responsive Web Design?
19. How does the Grid system work in bootstrap?
20. What is the purpose of container class?
21. What is the difference between container and container-fluid?
22. Which bootstrap css and javascript files should be linked to the html page?
23. What is a Jumbotron?
24. What is the difference between jumbotron and jumbotron-fluid?
25. What are Glyphicons and how to use them in a web page?
26. What are image classes in Bootstrap 4?
27. What are Typography classes in Bootstrap 4?
28. What are Table classes in Bootstrap 4?
29. Which classes are used to create Buttons in Bootstrap?
30. How to create a Block level button?

**Unit III**

1. What is JavaScript?
2. What are the features of JavaScript?
3. How to use Internal and external JavaScript?
4. What are the data types used in JavaScript?
5. What is meant by event handling? What are the different type of events that we can handle using JavaScript?
6. What is a function? How to create a function in JavaScript?
7. What are different types of loops used in JavaScript?
8. What is the purpose of if statement? Give an example in JavaScript.
9. Give examples of using different types of operators in JavaScript.
10. How to create an array in JavaScript? Give an example.
11. Give examples of array methods in JavaScript.
12. Explain Date object and its methods.
13. Explain String object and its methods.
14. What is Document Object Model?
15. What is Browser Object Model?
16. How to perform input validation in JavaScript?
17. What are different types of objects in JavaScript?
18. How do you display date in different format?
19. How do these methods of String object in JavaScript work – indexOf(), lastIndexOf(), substr()
20. What is the use of getElementById()?
21. What is the use of getElementsByClassName()?
22. What is the use of getElementsByTagName()?
23. What is the use of querySelector()?
24. What is the use of addEventListener()?
25. How many objects are there in Browser Object Model and what are these objects?
26. What is the purpose of window object?
27. What is the purpose of screen object?
28. What is the purpose of location object?
29. What is the purpose of navigator object?
30. What is the purpose of history object?

**Unit IV**

1. What is XML? Why is it used?
2. What are the features of XML?
3. How XML is different from HTML?
4. What are the building blocks of XML?
5. How to use XML with HTML. Give its syntax.
6. How to use CSS in XML? Give its syntax.
7. What are the naming rules and conventions of XML?
8. Why XML is called well-formed?
9. What is an XML parser?
10. What are the different types of XML Parsers?
11. What is Document Type Definition (DTD)?
12. How to include DTD in XML file?
13. What are internal an external DTD?
14. How to declare an element in DTD?
15. What is the purpose of +, \*, and ? in DTD?
16. What is the difference between CDATA and PDATA?
17. What is XML Scheme?
18. What is a namespace in XML Schema?
19. How to use XML Schema in an XML file?
20. Give an example of XML Schema?
21. What are different types in XML Schema?
22. What is the difference between simple types and complex types in XML Schema? Give an example.
23. How to reuse a type in XML Schema?
24. What is web hosting?
25. What are the different types of web hosting?
26. What is a Domain name? How to register a domain name?
27. What is the difference between physical hosting and vitual hosting?
28. What is meant by Web Publishing?
29. What is the need of IP addressing?
30. What are the steps involved in web hosting?