**Module (JAVASCRIPT BASIC & DOM) - 4**

**Q: 1:- What is JavaScript?**

**Ans:-** JavaScript is a scripting language used to create and control dynamic website content, i.e. anything that moves, refreshes, or otherwise changes on your screen without requiring you to manually reload a web page.

**Q: 2:- What is the use of isNaN function?**

**Ans:-**JavaScript NaN is short for "Not-a-Number". The isNaN() method returns true if a value is NaN. The isNaN() method converts the value to a number before ...

**Q: 3:- What is negative Infinity?**

**Ans:-**NEGATIVE\_INFINITY is a special numeric value that is returned when an arithmetic operation or mathematical function generates a negative value greater than the largest representable number in JavaScript (i.e., more negative than -Number. MAX\_VALUE) .

**Q: 4:- Which company developed JavaScript?**

**Ans:-**JavaScript was created at Netscape Communications by Brendan Eich in 1995. Netscape and Eich designed JavaScript as a scripting language for use with the company's flagship web browser, Netscape Navigator.

**Q: 5:- What are undeclared and undefined variables?**

**Ans:-**Undeclared variables are those that have not been declared or defined in the current scope, while undefined variables are those that have been declared but not given a value.

**Q: 6:- Write the code for adding new elements dynamically?**

**Ans:-** 1. Using innerHTML property: You can use the innerHTML property to dynamically add new elements to an existing HTML element.1. Using innerHTML property: You can use the innerHTML property to dynamically add new elements to an existing HTML element.  
2. Using the createElement and appendChild methods: You can use the createElement method to create a new HTML element, and the appendChild method to add it to an existing element.  
3. Using the insertAdjacentHTML method: You can use the insertAdjacentHTML method to add new HTML elements to an existing element.

**Q: 7:- What is the difference between ViewState and SessionState?**

**Ans:-**View state can only be visible from a single page and not multiple pages. Session state value availability is across all pages available in a user session. It will retain values in the event of a postback operation occurring.

**Q: 8:- What is === operator?**

**Ans:-**The === operator compares operands and returns true if both operands are of the same data type and have some value, otherwise, it returns false.

**Q: 9:- How can the style/class of an element be changed?**

**Ans:-** The document.getElementById() method is used to return the element in the document with the “id” attribute and the “className” attribute can be ...

**Q: 10:- How to read and write a file using JavaScript?**

**Ans:-**readFile() and rs. writeFile() methods are used to read and write of a file using javascript. The file is read using the fs. readFile() function, which is an inbuilt method.

**Q: 11:- What are all the looping structures in JavaScript?**

**Ans:-**The statements for loops provided in JavaScript are: (1) for statement.  
(2) do...while statement.  
(3) while statement.  
(4) labeled statement.  
(5) break statement.  
(6) continue statement.  
(7) for...in statement.

**Q: 12:- How can you convert the string of any base to an integer in JavaScript?**

**Ans:-**Convert a String to an Integer in JavaScript  
1. parseInt() Method in JavaScript.  
2. Number() Method in JavaScript.  
3. Unary Operator in JavaScript.  
4. Math.floor() Method in JavaScript.  
5. Bitwise Operator in JavaScript.

**Q: 13:- What is the function of the delete operator?**

**Ans:-**The delete operator removes a property from an object. If the property's value is an object and there are no more references to the object, the object held by that property is eventually released automatically.

**Q: 14:- What are all the types of Pop up boxes available in JavaScript?**

**Ans:-**1. Alert Box: It displays a message to the user with an OK button. It is created using the alert() function.

**Q: 15:- What is the use of Void (0)?**

**Ans:-**JavaScript void 0 means returning undefined (void) as a primitive value. You might come across the term “JavaScript:void(0)” while going through HTML documents. It is used to prevent any side effects caused while inserting an expression in a web page.

**Q: 16:- How can a page be forced to load another page in JavaScript?**

**Ans:-**we can use window. location object to force a page to load another page. We can use the location object to set the URL of a new page.

**Q: 17:- What are the disadvantages of using innerHTML in JavaScript?**

**Ans:-**Disadvantages of innerHTML: It is very slow because as inner HTML already parses the content even we have to parse the content again so that's why it takes time. When we have used the event handlers then the event handlers are not automatically attached to the new elements created by innerHTML.