MODULE: 4 (JavaScript Basic & DOM)

1)What is JavaScript?

JavaScript is a scripting,manipulating as well as a programming language,Javascrpt is used in server side as well as client side to make web pages interactive.Javascript is very easy to implement because it is integrated with HTML.It is open and cross-platform.

2) What is the use of is NaN function?

NaN stands for Not a Number.isNaN() function is use to check whether the given variable is number data type or not.

3) What is negative Infinity

NEGATIVE_INFINITY is the same as the negative value of global objects infinity property.

4) Which company developed JavaScript?

Javascript is developed and updated to conform to ECMA-262 Edition 5 or later **by Brendan Eich** at **Netscape.**

5) What are undeclared and undefined variables?

Undeclared Variable:Undeclared Variable means the variable is not declared in the program.

Undefined Variable :Undefined Variable means the variable is declared but does not have any value.

6) Write the code for adding new elements dynamically?

```
<html>

<body>

<script>

Function add()

{

   Var a=document.createElement("p");

Var text=document.createTextNode("This is anew thext node");

a.appendChild(text);
```

```
document.getElementById("firstpara").appendChild(a);

}
```

</script>

```
<p id="firstpara">firstPara<p>
```

</body>

</html>

7) What is the difference between ViewState and SessionState?

ViewState is to manage state at the client's end, making state management easy for end-user.

SessionState manages state at the server's end.

8) What is === operator?

"===" called as Strict equality Operator, it checks whether the two operands are equal or not. it checks value as well as data type of both the operands ,and return Boolean value as a result.

9)How can the style/class of an element be changed?

ClassName Attribute can be use to change the class of an element.

Style of the element can be change by using .style method.

10) How to read and write a file using JavaScript?

File=fopen(getStringPath(),0),the function fread() is use for reading the content. Str=fread(file,flength(file))

The Function fwrite()is use to write contents to the file.

File=fopen("c:\filename.txt,4)-opens file for writing.

11) What are all the looping structures in JavaScript?

There are following types of loops in javascript :

While loop :first checks the condition ,if the condition is true then execute the loop until the given condition is true.

Do while loop : first execute loop at least once then checks the condition,and continue executing program until the condition becomes false

For loop: initialise the counter,checks the condition ,then execute the block,and after that increment/decrement the counter .

12) How can you convert the string of any base to an integer in JavaScript?

By Using parseInt().It is use to convert the string passed in string parameter to the integer value.

13) What is the function of the delete operator?

Javascript delete function removes property from an object.

14) What are all the types of Pop up boxes available in JavaScript?

Javascript has three types of pop up boxes

Alert Box,confirm box and Prompt Box

AlertBox:Alert box is often use when we Want to make sure information comes through to the user.

When an lert box pops up,the user will have to click "OK" to proceed.

Window.alert("alert box is prompt");

Confirm Box is often use if we want the user to verify or accept something.

Prompt Box is often use if we want the user to input a value before entering a page.

15) What is the use of Void (0)?

Void(0) means returning undefined (void) as a primitive value.

16) How can a page be forced to load another page in JavaScript?

We can use window.location property inside script tag to forcefully load another page in javascript.

```
<script>
   window.location = <Path / URL>
</script>
```

17) What are the disadvantages of using innerHTML in JavaScript?

It is not possible to append ineerHTML

Replacement is done everywhere

Breaks the document.

Used for cross site-scripting

When we have used the event handlers then the event handlers are not automatically attached to the new elements created by innerHTML.