1. **What is JavaScript?**

Ans. It is a programming language used for web developing and front end developing.

**2)What is the difference between JavaScript and Jscript?**

**3)How do we add JavaScript onto a web page?**

Ans. By adding a <script> command and writing the code under that element.

**4)Is JavaScript case sensitive?**

Ans. No JavaScript is not case sensitive.

**5) What are the types used in JavaScript?**

Ans. JavaScript 1.0 and JavaScript 1.8.5.

**6)What is the difference between "==" and "==="?**

Ans. “==” is used to check if two values are equal and then only the code will proceed,

“===” is used to declare that it should be strictly equal.

**7)How to access the value of a textbox using JavaScript?**

Ans.

**8)What are the ways of making comments in JavaScript?**

Ans. Using these annotations we can write comments : “ // ”, “ /\* \*/ ”.

**9)How to create arrays in JavaScript?**

Ans. Arrays can be created by creating a variable with its value written in square brackets, for example : let x = [1, “Hi”, “How are you”];

**10)If an array with name as "names" contain three elements, then how will you print the third element of this array?**

Ans. By calling the array name along with the position of the array in the element. For ex: let names = [1,2,3], then here the third element can be accessed by calling names[2], since array elements start count from 0.

**11)What does isNaN function do?**

Ans. “isNaN” function returns true if the value is not a number.

**12)What is the use of Math Object in JavaScript?**

Ans. Math object helps us perform mathematical tasks and returns the required answer for any command. For ex: Math.sin() will return the sine value of the given parameter.

**13)What do you understand by this keyword in JavaScript?**

Ans.

**14)What does "1"+2+4 evaluate to?**

Ans. 16

**15)What does 3+4+"7" evaluate to?**

Ans. 77

**16)What looping structures are there in JavaScript?**

Ans.” This ” keyword is used to refer an object, and the keyword depends on how it is being invoked in an object.

**17)What is an object in JavaScript, give an example?**

Ans. Object is used to give properties to real life things in the JavaScript code. That is it’s function is to give a variable certain properties making it unique and when any one of the property is being called then the variable will be displayed. For ex: let car = { make: “Nissan”, model: “Skyline”, year: 1975}; here car is an object with it’s own unique properties like make, model and year.

**18)How you will add function as a property in a JavaScript object? Give an example.**

Ans. Function can be added to an object by creating the function to one of the properties of the object. For ex: let car = { make: “Nissan”, model: “Skyline”, year: 1975,

name: function(){

Return this.make+” ”+this.model;}

};

**19)What is the difference between the 1st and 2nd statement?**

**1st:- var myString = new String('male');**

**2nd:- var myStringLiteral = 'male';**

Ans.

**20)What will be the output of the following statements?**

**var myString = 'Vikas'**

**var myStringCopy = myString;**

**var myString = null;**

**console.log(myString, myStringCopy);**

Ans. Null, Vikas

**21)Consider the following statements and tell what would be the output of the logs statements?**

**var price1 = 10;**

**var price2 = 10;**

**var price3 = new Number('10');**

**console.log(price1 === price2);**

**console.log(price1 === price3);**

Ans. True

False

**22)What would be the output of the following statements?**

**var object1 = { same: 'same' };**

**var object2 = { same: 'same' };**

**console.log(object1 === object2);**

Ans. True

**23)What would be the output of the following statements?**

**var object1 = { same: 'same' };**

**var object2 = object1;**

**console.log(object1 === object2);**

Ans. True

**24)Does JavaScript Support automatic type conversion, If yes give example.**

Ans. Yes JavaScript supports automatic type conversion.

**25)Which are the first class values in javascript ? How first class value is defined?**

Ans. First-Class means that when the function is stored as any other variable in an object then that function is called a first-class function.

**26)What is a sparse array ?**

Ans.They are arrays with no consistent elements and don’t always start from 0. They can have spaces or gaps in between them.

**27)What is the difference between function declaration and function expression?**

Ans. Function declaration tells us about the function parameters, return type and values, but a function expression means that expressing the given function in a code as a variable, I.e. the function is being called using a variable.

When a code is run the parameters from the function are called first, but during a function expression only when the code reaches the line where it is being declared it will start executing.

**28)write a program to print the word "tick" on the console after every 1 sec and then stop the printing after 10 sec.**

Ans.

**29)Create an obejct car with properties make, model, color and year. create car's method toString to display all its properties. All car instances should be able to access the method.**

Ans.

1. **show prototypal inheritance with example.**

Ans.