

1). What is java\_script ?.

ans:- JavaScript is a text-based object oriented programming language .It is lightweight and most commonly used  
as a part of web pages

2).who is invent java\_script ?.

ans:- JavaScript was invented by Brendan Eich in 1995.

3). what is variable ?

ans :- Variables are containers for storing data values.

VARIABLE is a memory/location in which the data is stored. Whose value we can change that is called a VARIABLE.

You can give any name to the VARIABLE and you can store anything in the variable.

3 Ways to Declare a JavaScript Variable:

\*) Using var      function scope., Global scope.

\*) Using let      block scope.

\*) Using const

4). what is datatype ?.

ans :- Data types are the classification or categorization of data items.

1. String
2. Number
3. BigInt
4. Boolean
5. Undefined
6. Null
7. Symbol
8. Object

5). what are operators ?

ans :- Operators are used to perform operations on variables and values.

6).what are if-else ?.

ans :- The if-else statement is used to execute both the true part and the false part of a given condition.

7).what is loop ?

ans :- a loop is a statement that contains instructions that continually repeats until a certain condition is reached.

8. what is for loop ?

ans :- A for loop is used for iterating over a sequence .

9. what is while loop ?

ans :- a while loop is used to execute a block of statements repeatedly until a given condition is satisfied.

10. what is list ?

ans :- The list is a sequence data type which is used to store the collection of data.

11. what is Object ?

ans :- Object are used to store data values in key:value pairs.

12). what is function ?.

ans:- A JavaScript function is a block of code designed to perform a particular task.

function can be called anywhere in your program.

>>>>>>>

i).Normal function (ii).Arrow fuction (iii). callback function (iv). anonymous function (v).self invoking fuction.

(vi). Higher order function (vi).fuction expression (vii). function declaration.

>>>>>>>

ii). what is Arrow function ?.

ans:-Arrow functions were introduced in ES6. Arrow functions allow us to write shorter function syntax:

ans:-Arrow functions are a short and concise way of writing functions in JavaScript.

```
syntax: hello = () => {  
    return "Hello World!";  
}
```

iii). what is callback function ?.

ans:- A callback is a function passed as an argument to another function.

iv). what is anonymous function ?.

ans:- anonymous function is that type of function that has no name. we can say without any name.

v). what is self invoking function ?.

ans:- Self-Invoking function is a type of function that is invoked or called automatically.

after its definition when followed by the parentheses set () and primarily used for the initialization tasks.

vi). what is higher order function ?.

ans:-A higher order function is a function that takes a function as an argument, or returns a function .

vii).what is function expression ?.

ans:-Function expressions are when you create a function and assign it to a variable.

x).what is fuction Declaration ?.

ans:- the function which we will write the function with the function keyword is called fuction declaration.

12). what is constructor ?.

ans :- A constructor is a special function that creates and initializes an object instance of a class.

13).what is prototype ?.

ans:- The prototype is an object that is associated with every functions and objects by default in JavaScript,

hindi:- प्रोटोटाइप एक ऐसी वस्तु है जो जावास्क्रिप्ट में डिफॉल्ट रूप से हर फंक्शन और ऑब्जेक्ट से जुड़ी होती है,

14). what is scope ?.

ans:- Scope determines the accessibility of variables, objects, and functions from different parts of the code.

15).what is classes ?

ans :- Classes are a template for creating objects.

16). what is async function ?.

ans:- Async functions are a combination of promises and generators, and basically, they are a higher level abstraction over promises.

17). setTimeout/clearTimeout – This is used to implement delays in code execution.

Q.)setInterval/clearInterval – This is used to run a code block multiple times.

Q.)setImmediate/clearImmediate – Any function passed as the setImmediate() argument is a callback that's executed in the next iteration of the event loop.

20).what is rest parameter ?

ans:- The rest parameter allows to represent an indefinite number of arguments as an array.

21). what is spread operators ?.

ans :- The JavaScript spread operator ( ... ) allows us to quickly copy all or part of an existing array or object into another array or object.

22). what is getter function ?

ans :- Getters give you a way to define a property of an object, but they do not calculate the property's value until it is accessed.

hindi:- गेटर्स आपको किसी वस्तु की संपत्ति को परिभाषित करने का एक तरीका देते हैं, लेकिन वे संपत्ति के मूल्य की गणना तब तक नहीं करते हैं जब तक कि इसे एक्सेस नहीं किया जाता है।

23).what is setters ?

ans :- In JavaScript, a setter can be used to execute a function whenever a specified property is attempted to be changed.

hindi :- जावास्क्रिप्ट में, जब भी किसी निर्दिष्ट संपत्ति को बदलने का प्रयास किया जाता है, तो फ़ंक्शन को निष्पादित करने के लिए एक सेटर का उपयोग किया जा सकता है।

24). what is hosting ?

ans:- Hoisting is JavaScript's default behavior of moving declarations to the top.

25). what is event loop ?.

ans:- The event loop is what allows Node.js to perform non-blocking I/O operations