**JAVASCRIPT**

**Chapter-1**

**MCQ + OBJECTIVE QUESTIONS**

**What is JavaScript?**

1. JavaScript is the “engine” that makes things move on a page; by working with dynamic design elements. It is a range language too.
2. JavaScript allows designers to release those aspects of design creativity that cannot be expressed in static (w¯’i) HTML.
3. JavaScript makes HTML pages more dynamic and interactive.

**What is HTML?**

Hypertext Markup Language, a standardized system for tagging text files to achieve font, color, graphic, and hyperlink effects. As a markup language, HTML describes a web page as a static entity.

**What is the most dynamic element in HTML?**

The most dynamic element in HTML, beside the link, is event-related attributes. For example:- on click is one of the event-related attributes of HTML.

**Does HTML have any dynamic components?**

No. It relies on scripts written in JavaScript.

**Where is a JavaScript written? Give an example.**

Most of the JavaScript is written in a tag container named script. Script container is required for most JavaScript. The generic format looks like the following:

<script language=”JavaScript”>

Script goes here

</script>

**What is parser?**

The parser is the interpreter (অনুবাদক) that reads the code one line at a time, beginning with the top line.

**What are the features of JavaScript?**

1. JavaScript can add to a web site dynamic interactivity (change in response to an action).
2. JavaScript is an object-based scripting language.
3. Giving the user more control over the browser.
4. It Handling dates and time.
5. It Detecting the user's browser and OS,
6. It is light weighted.
7. JavaScript is a scripting language and it is not java.
8. JavaScript is interpreter based scripting language.
9. JavaScript is case sensitive.
10. JavaScript is object based language as it provides predefined objects.
11. Every statement in JavaScript must be terminated with semicolon (;).

**What is alert?**

Alert is a useful built in function in JavaScript. It sends a message to the page. The contents of the message can vary depending on what the user does or message can be static.

**What does a built-in function do in JavaScript?**

Built-in functions execute a set of instructions to do things like put message on the screen, prompt users to enter information and write text to the screen.

**What is prompt in JavaScript?**

The prompt () method displays a dialog box that prompts the visitor for input. It can take two arguments. The prompt () method returns the input value if the user clicks "OK". If the user clicks "cancel" the method returns null. Syntax: prompt (text, default Text). Prompt takes two arguments: 1. Prompt message 2. Optional placeholder.

**What is function?**

Functions are self-contained clusters of JavaScript. It works and launched in the same way. It is used in two ways-

1. Alert and prompt

2. User-defined

**What is user-defined function?**

It is one that the programmer writes and uses in his/her page.

N.B Browsers act as a translator between JavaScript and native language.

**Function used in Array**

Here we will discuss about some functions which are frequently used in array concept in JavaScript.

|  |  |  |
| --- | --- | --- |
|  | Function | Description |
|  | Concat () | To concats the elements of one array at the end of another array and returns an array. |
|  | sort() | To sort all elements of an array. |
|  | reverse() | To reverse elements of an array. |
|  | slice() | To extract specified number of elements starting from specified index without deleting them from array. |
|  | splice() | It will extract specified number of elements starting from specified index and deletes them from array. |
|  | push() | To push all elements in array at top. |
|  | pop() | To pop the top elements from a |