Chapter 1 : Basics of Javascript Programming

1-1 to 1-33

Syllabus :

1.1 Features of JavaScript

1.2 Object Name, Property, Method, Dot syntax, Main event.

1.3 Values and Variables

1.4 Operators and Expressions- Primary Expressions, Object and Array initializers, function definition expression, property access expressions, invocation expressions.

1.5 if Statement, if. .. else, if..elseif, nested if statement.

1.6 Switch ... case statement

1.7 Loop statement - for loop, for...in loop, while loop, do... while loop, continue statement.

1.8 Querying and setting properties and deleting properties , property getters and setters.

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Chapter 2 : Array, Function and String

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Syllabus :

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2.2 Function - Defining a function, Writing a function, Adding an arguments, Scope of variable and arguments.

2.3 Calling a function - Calling a function with or without an argument, Calling a function from HTML, Function calling another function, Returning a value from a function.

2.4 String - Manipulate a string, Joining a string, retrieving a character from given position, retrieving a position of character in a string, dividing text, copying a sub string, converting string to number and numbers to string, changing the case of string, finding a Unicode of a character-charCodeAt(), fromCharCode().

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Syllabus :

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3.2 Form events- Mouse event, Key events.

3.3 Form objects and elements.

3.4 Changing attribute value dynamically.

3.5 Changing option list dynamically.

3.6 Evaluating checkbox selection.

3.7 Changing a label dynamically.

3.8 Manipulating form elements.

3.9 Intrinsic JavaScript functions, Disabling elements, Read only elements.

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UNIT IV

Chapter 4 : Cookies and Browser Data 4-1 to 4-31

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4.2 Browser – Opening a window, Giving the new window focus, Window position, Changing the content of window, Closing a window, Scrolling a web page, Multiple windows at once, Creating a web page in new window, JavaScript in URLs, JavaScript security, Timers, Browser location and History.

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Chapter 5 : Regular Expression, Rollover and Frames 5-1 to 5-35

Syllabus :

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5.2 Frames : Create a frame, Invisible borders of frame, Calling a child windows, Changing the content and focus of child window, Accessing elements of another child window.

5.3 Rollover : Creating rollover, Text rollover, Multiple actions for rollover, More efficient rollover.

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6.2 Banner : Loading and displaying banner advertisement, Linking a banner advertisement to URL.

6.3 Slide Show : Creating a slide show.

6.4 Menus : Creating a pull down menu, Dynamically changing the menu, Validating a menu selection, Floating menu, Chain select menu, Tab menu, Pop-up menu, Sliding menu, Highlighted menu, Folding a tree menu, Context menu, Scrollable menu, Side bar menu.

6.5 Protecting web page : Hiding your code, Disabling the right mouse button, JavaScript, Concealing email address.

6.6 Framework of JavaScript and its application.

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- **Appendix – A : Solved MSBTE Question Paper of Winter 2019.....A – 1 to A - 7**

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