

Web Technology and Its Applications

Module-III (Question Bank)

CHAPTER - 6

1. With a diagram, explain client side scripting, its need and advantages.
2. Compare **JavaScript**, **Flash** and **Java Applets** with interaction diagrams.
3. Explain layered architecture of JavaScript application design.
4. Explain fail safe design, graceful degradation and progressive enhancement.
5. Explain THREE different ways of linking JavaScript to an HTML page with suitable code segments.
6. Explain variable declaration, comparison operator and logical operators with code examples.
7. Explain conditionals and looping structures in JavaScript with code examples.
8. Explain function definition and function call with a code segment.
9. Explain the role of **alert()** and **try-catch** block with code examples.
10. Explain defining objects and its methods with suitable examples.
11. Explain definitions, access, traversal and modifying arrays.
12. Explain the following JavaScript classes with examples: **Math**, **String**, **Date** and **Window**.
13. With an explain DOM nodes and its types, and document object methods with code segment.
14. Explain TWO important methods to access DOM Nodes with code examples.
15. With a code segment, explain modifying a DOM element.
16. Explain DOM element node properties and functions in JavaScript.
17. Explain TWO approaches for event handling in JavaScript with suitable code segments.
18. Explain the following event handling mechanism with suitable code segments in JavaScript.
(i) Keyboard (ii) mouse (iii) form (iv) frame
19. Explain the need of validation of forms. Write code segments to validate empty fields and numbers.
20. Explain submission of a form using JavaScript with suitable code segment.

CHAPTER - 8

1. Compare client and server side scripting with suitable interaction diagrams.
2. List the web server responsibilities with respect to web application execution.
3. With suitable diagrams, explain PHP module in apache. Outline the role of apache threads in web application execution
4. With a block diagram, explain the execution of PHP script with Zend engine.
5. With suitable code segments, explain TWO approaches to embed PHP script in HTML.
6. Explain with suitable code segments, string concatenation mechanism in PHP for dynamic script generation.
7. With suitable example, explain types of comments and variable definitions on PHP.
8. Explain TWO forms of writing to output in PHP with suitable code segments.
9. Explain different conditional and looping structures in PHP with examples.
10. Explain the need to including PHP files with suitable code segments.
11. Explain function definition, function call and default parameters with suitable code segments.
12. Explain TWO function parameter passing methods with suitable code segments.
13. Explain scope rules for function variables and global variables in PHP.
