

# Web Technology

DEPARTMENT OF CSE

## Module-1

1. Briefly explain the history of markup language.
2. Write a note on XHTML & HTML5
3. `<a>`, `<img>`, `<p>`, `<div>`
4. Levels of style sheets with eg.
- \* 5. Selectors available in CSS
6. Cascade in CSS, three principles of cascade with CSS script
7. Class selectors & pseudo selectors of CSS.
8. Types of URL referencing techniques
9. `<nav>` `<section>` `<aside>` : syntax & script segments
10. float, position, overflow : CSS properties with eg
11. `<ul>`, `<ol>` : role, syntax, eg.
12. Three aims of HTML5.
13. Three types of lists with eg.
14. CSS benefits with explanation

## Module 2

1. Form works diagram, query string and micro formats
2. CSS layouts approaches
3. Responsive design
4. Radio and check box controls of HTML5
5. structure of `<form>` element, role of action and method attributes
6. Role of display and visibility properties in CSS
7. Text input controls with eg.
8. Role of CSS position property,
- \* 9. Absolute and relative positioning.
10. Liquid (fluid) layout design, benefits & limitations.
11. Widgets created with `<input>` tag
12. Floating an element in CSS, how?

### Module - 3.

- \* 1. Client-side scripting advantage & disadvantage.
- 2. Client and server script execution; diagram & explain
- 3. PHP program to greet the user based on time.
- 4. Three forms of linking JS to HTML page.
- 5. PHP module in apache, role of apache threads in webapp exec
- 6. Methods in JS to access DOM nodes with eg.
- 7. Two approaches for event handling in JS with eg.
- 8. Two approaches to embed PHP script in HTML with code.
- 9. Compare the Server-Side Technologies incl
- 10. PHP program to demonstrate the session.
- 11. s/w layers, benefits, explain

### Module - 4

- 1. Super global arrays
- 2. Constructors, concepts of inheritance, polymorphism & object interfacin  
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- \* 3. Two basic techniques for read/write files in PHP
- 4. PHP code to validate phone number.
- \* 5. \$\_GET and \$\_POST arrays: role, flow diagram.
- 6. Procedural error handling and object oriented exception handling
- 7. Support for inheritance in PHP with UML dia
- 8. Three approaches to restrict the file size in file upload.
- 9. How do you achieve data encapsulation in PHP.



- 1) HTTP cookies, How do you handle them in PHP
- 2) Why is State is a problem for web application? Explain
3. What does `$()` short and stand for in JQuery
- 4 Explain any 3 JQuery form selectors
- 5 loading and processing an XML document in JS (with script)
- 6 Explain checking session existence and accessing session state
- 7 Explain AJAX GET requests and POST request.
8. Script for converting a JSON string to JSON object in JS and a PHP object in PHP
9. Session Cookies, Persistent cookies, Session state
10. SOAP & REST web services with dia.