

Web Technology and Its Applications

Module-V (Question Bank)

CHAPTER - 13

1. Explain the need for state management on Web applications with suitable diagrams and examples.
2. Explain the QueryString based mechanism to pass information from client to the server with diagrams.
3. Explain passing information from client to the server with diagrams via URL Path and URL rewriting.
4. Explain the need, working and applications of cookie with a suitable diagrams and examples.
5. Explain TWO types of cookies. Explain PHP support for creating and using cookies with suitable code segments.
6. Explain the support for serialization in PHP with an example.
7. Explain session state with an example. With suitable code segments explain accessing session state and checking session existence.
8. Explain different strategies to store session state in Web servers.
9. Explain reading and writing into Web Storage in JavaScript with suitable code examples.
10. What is Web Caching? Explain Page output caching and Application data caching with suitable diagrams.

CHAPTER - 15

1. Explain Emulation of Classes with functions in JavaScript by taking suitable code segments.
2. Explain the role of prototypes of the class with suitable code examples.
3. Explain basic jQuery selectors with suitable code segments.
4. Explain Pseudo-Element Selector, Contextual selector, attribute selectors and contents filters with suitable examples.
5. Explain the role of **attr()** and **prop()** methods in jQuery with suitable code segments.
6. Explain the role of **html()** and **val()** methods in jQuery with suitable code segments.
7. Explain event listener management in jQuery with suitable code segments.
8. Explain **append()**, **prepend()**, **prependTo()** and **Wrap()** methods to modify DOM in jQuery with suitable code segments.
9. Explain the concept of Synchronous and Asynchronous Web requests with examples.
10. Explain AJAX Get requests with syntax and suitable code segment.
11. Explain modular code design with jqXHR objects have methods by taking suitable code segment.
12. Explain AJAX Post requests with syntax and suitable code segment.
13. Explain TWO techniques of transfer files asynchronously with suitable code segments.
14. Explain different methods used for simple animations on Web pages with jQuery.
15. Explain the role of Backbone in Web application development by taking suitable example.

CHAPTER – 17 (Part)

1. Explain rules for well-formed XML and valid XML by taking suitable XML segment.
2. Explain the roles of XSLT in transforming XML into other document formats with suitable examples.
3. Explain the role of XPath in XML document manipulation by taking suitable XML segment.

4. Explain the methods used for XML processing in JavaScript, jQuery and PHP by writing suitable code segments.
5. Explain JSON format with an example. Explain JSON processing in JavaScript with suitable code segment.
6. Explain the methods used for JSON processing in PHP by writing suitable code segments.
7. Explain the role and advantages of Web services in Web application development.
8. With suitable diagrams, explain SOAP Web services and REST Web services.
