

Unit 1

- 1) What do you mean by CSS? What are the different ways to create CSS?
- 2) What is JSON? Why to use JSON over XML?
- 3) Write at least any five Differences between HTML and HTML5.
- 4) What are the different design issues in web development?
- 5) What is purpose of HTTP?
- 6) How does a Web Browser work?
- 7) Describe the steps involved when a web browser requests for and obtains a web page from a web server.
- 8) Define the terms i. Website, ii. Web Page, iii. Web Server, iv. URL and v. Home Page.
- 9) Why is HTTP called a stateless protocol? Why is it so?
- 10) Discuss any three HTTP commands.
- 11) Discuss the idea of HTML tags with an example.
- 12) Describe any five HTML tags.
- 13) Investigate how you can set up your own website. What are the requirements for the same?
- 14) Create a web page that displays your own details in about 100 words, and includes your photographs.
- 15) Find out major differences between the two web browser- Internet Explorer and Mozilla Firefox.
- 16) Explain the need for XML in detail.
- 17) What are the strength of XML technology?
- 18) What are DTDs? How do they work?
- 19) Explain the differences between external and internal DTDs.
- 20) What are XML schemas? How are they better than DTDs?
- 21) Explain the XSLT technology with an example.
- 22) What is HTML? *Do all HTML tags have end tag?*
- 23) What is the difference between HTML elements and tags?
- 24) What is a style sheet? How to you create a multi colour text on a web page using CSS?
- 25) What is the difference between progress and meter tag?
- 26) What are the new <input> types for form validation in HTML
- 27) Create a web page for Admission form with using all Tag in HTML.
- 28) What is use of static & dynamic web page? Enlist applications of static & dynamic web page.

Unit 2

1. Can javascript be in a separate file? Discuss in details.
2. What are key usage of JavaScript?
3. How are HTML form and JavaScript related.
4. Write an HTML Page and also provide a JavaScript for accepting a user ID and password from the user to ensure the input is not empty.
5. Write an HTML Page and stop the user if the user attempts to tab out of the user ID or password fields without entering anything.
6. How to create objects in Java Script? Explain with Suitable examples.
7. How to create array and read elements in java script.
- 8 What are the variable conventions available in Java Script?
9. Explain with example how to access values of textbox of form using JavaScript.
10. Explain how to call JavaScript from an HTML page.
11. List and brief the any five functions in JavaScript.
12. How to set a default parameter value for a JavaScript function?
13. How to open URL in new tab in javascript?
- 14 How do I declare a namespace in JavaScript?
- 15 What is JavaScript? How to validate any sample login form using JavaScript.
16. Design a form to accept workshop registration details from participants and validate any five fields using javascript (Assume suitable structure).
- 17 Explain Document Object Model (DOM) with suitable example.
- 18 Write differences between JavaScript and jQuery.
- 19 Why there are two different version of jQuery library?
- 20 What are the different Data Types available in JavaScript?
- 24 Write a program of your choice to demonstrate the use of DOM?
- 25 What are the errors made while processing the DOM?
- 26 What is the purpose of DOM Node Tree? Draw/Create DOM node tree for simple HTML page.
- 27 How does the relationship exist between the node, child and siblings in node-tree?
- 28 What are the properties of DOM involved in the system?
- 29 Write a program of your choice that uses Methods and properties of DOM?
- 30 What are the different properties of Nodes?

Unit 3

1. What is Servlet? Explain how a servlet is processed.

2. What are the various element of JSP page?
3. Write a servlet which will accept user name and password in a form, which will compare both in the database to display success or failure.
4. Why session management is required in JSP?
5. Why session management is required in Servlet?
6. Write a JSP scriptlet for displaying even numbers between 1 to 50 and also its JSTL version.
7. Discuss MVC architecture in details.
 8. Write a Java Servlet which will display “welcome to Servlet” message.
 9. Write advantages of JSP over Servlets? Also explain life cycle of a JSP.
 10. List and elaborate any five JSP implicit objects with examples.
 11. Write JSP code to accept product details and store in database table. If the product is already inserted, display the appropriate message to insert another product. (Assume suitable table structures).
 12. List and elaborate any five JSP actions with example.
 13. Explain HTTP request and response messages used in JSP.
 14. Create a servlet in java to get user ID and password parameters which are entered in the form of Login.html file.
 - 15 Create a JSP page to search a student details from database by studentId. (Assume suitable table structure).
 - 16 What are JSP actions? Explain error handling in JSP using JSP actions with example.
 - 17 What is thread safety in Servlets? Write a Servlet which will display the count of number of times a client has accessed it.
 - 18 What is use of isThreadSafe in JSP? Also Explain Single Thread Model in JSP.
 - 19 Explain different session management mechanism in JSP.
 - 20 Explain Session and Cookies in Servlets.
 - 21 Write a jsp code which adds the student education details in a database through Java bean.
 - 22 Explain HttpServletRequest and HttpServletResponse with suitable examples.
 - 23 What are the usage of JSP Directives and JSP Actions.
 - 24 Write the different usage of JSP action tags and directives.
 - 25 Create simple JSP pages which will explain use implicit session object of JSP.
 - 26 Write JSP code for accepting product-id from user. Verify if product already exists the display details. If not insert details into product table. (Assume suitable table structure)
 - 27 What is difference between include action and include directive in JSP?
 - 28 How do you define application wide error page in JSP?
 - 29 Explain the following JDBC API components:
 - DriverManager
 - SQLException
 - Connection
 - Statement
 - ResultSet