Question Paper Code | **13453**

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2025
Sixth Semester

Information Technology

(Common to Computer and Communication Engineering and Electronics and Communication Engineering)

20ITOE903 - WEB DESIGN

Regulations - 2020

Duration: 3 Hours   Max. Marks: 100

PART - A (MCQ) (10 × 1 = 10 Marks)
Answer ALL Questions

		Marks	K-Level	CO
1.	The CSS property used to change text color is (a) font-style (b) text-color (c) color (d) background-color	1	K1	CO1
2.	The layer responsible for user interaction is (a) Presentation (b) Application (c) Data (d) Security	1	K1	CO1
3.	To link from one frame to another, we use the _____ attribute in the <a> tag. (a) target (b) href (c) src (d) action	1	K1	CO2
4.	The method used to send form data without displaying it in the URL is _____. (a) POST (b) GET (c) SEND (d) HIDE	1	K1	CO2
5.	What happens when a return statement is used inside a for each loop? (a) The loop stops (b) It exits the function containing the loop. (c) It skips to the next iteration (d) It throws an error.	1	K2	CO3
6.	Which component is used to manage client sessions in a Java Servlet? (a) HttpSession (b) ServletConfig (c) ServletContext (d) HttpServletRequest	1	K1	CO3
7.	The purpose of the xsl:value-of element is (a) To output the value of a selected node (b) To loop through a set of nodes (c) To apply a set of templates to a selected node or nodes (d) To conditionally output a value based on a specified condition	1	K1	CO4
8.	Identify the error in the following XML snippet: <person age='30' age='40'>John</person> (a) No error (b) Duplicate attributes (c) Invalid tag name (d) Incorrect closing tag	1	K2	CO4
9.	The simplified version of IIS is (a)Apache (b) PWS (c) XAMPP (d) Nginx	1	K1	CO5
10.	How can CSS be used in DHTML? (a) To create databases (b) To change structure of HTML (c) To style elements dynamically (d) To execute scripts	1	K2	CO6

PART - B (12 × 2 = 24 Marks)
Answer ALL Questions

11.	Compare HTML with JavaScript in terms of functionality.	2	K2	CO1
12.	Write a JQuery syntax with example.	2	K1	CO1
13.	Give an example to create a link between frames.	2	K2	CO2
14.	How do you change the color of background or text in HTML?	2	K2	CO2
15.	Mention the features of JavaScript.	2	K2	CO3
16.	Demonstrate an example of a GET request using JavaScript.	2	K2	CO3
17.	List the advantages of XPATH.	2	K1	CO4

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create   **13453**

18.	Can XSLT be used with databases? If yes, how?		2	K1	CO4
19.	Define XHTML and write its syntax.		2	K1	CO5
20.	Explain get request and post request with an example.		2	K2	CO5
21.	Difference between DHTML and HTML		2	K2	CO6
22.	List different types of events in DHTML.		2	K2	CO6

PART - C (6 × 11 = 66 Marks)
Answer ALL Questions

23.	a)	Illustrate Multi tier Application Architecture with the diagram.	11	K2	CO1
		OR			
	b)	Discuss about HTML Lists and its types with an example.	11	K2	CO1
24.	a)	Develop a HTML page for Employee Registration Form.	11	K2	CO2
		OR			
	b)	Explain in detail about CSS Properties.	11	K2	CO2
25.	a)	Develop a Java script program that validates the password in a login form. Use regular expression to check whether the password contains at least 8 characters, one number, special character and upper case letter.	11	K3	CO3
		OR			
	b) (i)	Write a java script program to generate Fibonacci series using do while loop.	6	K3	CO3
	(ii)	Write a script to demonstrate the use of Date object.	5	K3	CO3
26.	a)	Explain how an XML document can be displayed on a browser.	11	K2	CO4
		OR			
	b)	Explain the role of xml namespace and the features of XMl path language with example.	11	K2	CO4
27.	a)	Describe the steps for accessing web services.	11	K2	CO5
		OR			
	b)	Explain in detail about the Microsoft Internet Information Services and its features.	11	K2	CO5
28.	a)	With example explain Events and buttons in DHTML.	11	K2	CO6
		OR			
	b)	Illustrate DOM and its properties in detail.	11	K2	CO6

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create