

Code: 20IT3502

**III B.Tech - I Semester – Regular / Supplementary Examinations  
NOVEMBER 2023**

**WEB TECHNOLOGIES  
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.

2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
<b>UNIT-I</b>					
1	a)	Prepare a feedback form with Name, Email, Phone (Text boxes), Comments(Text Area), Things you Like(Check boxes), How did you know about our website(radio button), Rate our web Site (drop down list), and submit, reset (buttons) elements.	L2	CO1	8 M
	b)	Infer the frame supported tags and explain their purpose in building web applications.	L2	CO1	6 M
<b>OR</b>					
2	a)	Prepare a cricket score card using all the table tags and attributes.	L2	CO1	8 M
	b)	Discuss about style classes and external styles classes with example.	L2	CO1	6 M

<b>UNIT-II</b>					
3	a)	Explain Event handling mechanism in JavaScript with examples ( onload, onclick, onsubmit, onmouseover)	L2	CO1, CO2	8 M
	b)	Create a XML document to store voter ID, voter name, address and date of birth details. Create a XML DTD to validate the document.	L2	CO1, CO2	6 M
<b>OR</b>					
4	a)	Interpret the purpose of XSLT in web applications. List most commonly used elements of XSLT. Explain any two with simple examples.	L2	CO1, CO2	8 M
	b)	Write JavaScript functions, to find the L.C.M. and G.C.D. of two numbers.	L2	CO1, CO2	6 M
<b>UNIT-III</b>					
5	a)	Interpret the types of JDBC drivers with neat diagrams.	L3	CO3	8 M
	b)	Construct a Java Program to alter a table from the database.	L3	CO3	6 M
<b>OR</b>					
6	a)	Write a short note on JDBC API's.	L2	CO3	8 M
	b)	Construct a Java Program to drop a table from the database.	L3	CO3	6 M
<b>UNIT-IV</b>					
7	a)	Explain the MVC Architecture.	L2	CO3	6 M
	b)	Compare and Contrast Generic servlets with HTTP Servlets with simple examples.	L2	CO3	8 M

<b>OR</b>					
8	a)	Interpret and list the methods of HttpServletRequest and HttpServletResponse interfaces.	L3	CO3	6 M
	b)	Construct a HTML form with select element with options C, C++, Java, C#. Add a submit button to the form. Now, write a HTTP servlet program, to display selected option by the user. For example, If the user selects Java and presses submit, then the webpage displays “The selected language is Java”.	L3	CO3	8 M
<b>UNIT-V</b>					
9	a)	Explain the JSP Architecture and its Life Cycle.	L2	CO4	7 M
	b)	Explain about the usage of JavaBeans component in JSP.	L2	CO4	7 M
<b>OR</b>					
10	a)	Describe with examples the implicit objects used in JSP.	L2	CO4	10 M
	b)	Explain the purpose of JSTL libraries.	L2	CO4	4 M