

Code: 20CS5621

III B.Tech - II Semester – Regular Examinations – JUNE 2023**WEB TECHNOLOGIES
(MINORS in COMPUTER SCIENCE & ENGINEERING)**

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
UNIT-I					
1	a)	Summarize the necessities of using HTML forms and explain various form input elements. Write the sequence of steps for each HTTP request from a client to the server.	L2	CO1	7 M
	b)	Explain internal and external style sheets with examples. Develop a HTML page which uses CSS that gives all H1 and H2 elements a padding of 0.5 ems, grooved border style and a margin of 0.5 ems.	L3	CO1	7 M
OR					
2	a)	Construct html document for timetable using rowspan and colspan attributes.	L3	CO2	7 M
	b)	Demonstrate the different HTML form controls and develop the login page.	L3	CO2	7 M

UNIT-II					
3	a)	Explain the difference between XML and HTML and also explain the use of the DTD.	L4	CO5	7 M
	b)	Classify the different ways an HTML element can be accessed in a JavaScript code. Explain any 3 JavaScript operators with example.	L4	CO5	7 M
OR					
4	a)	Construct a XML document to store voter ID, voter name, address and date of birth details. Create an internal Document Type Definition to validate the document.	L3	CO2	7 M
	b)	Write a JavaScript that reads an integer and determines whether it is PRIME number or not.	L3	CO2	7 M
UNIT-III					
5	a)	Explain different types of JDBC drivers with neat diagram.	L2	CO3	7 M
	b)	Demonstrate steps to design JDBC application with an example.	L2	CO3	7 M
OR					
6	a)	Illustrate the method of manipulating a database using JDBC with an example.	L3	CO3	7 M
	b)	Classify various types of JDBC statements. Which JDBC Statement is better and why?	L4	CO5	7 M

UNIT-IV					
7	a)	Explain about Lifecycle of a Servlet with neat diagram.	L2	CO4	7 M
	b)	List the features of servlet. Distinguish between GET and POST methods in servlets.	L4	CO4	7 M
OR					
8	a)	Explain MVC architecture in application development with a neat diagram.	L2	CO4	7 M
	b)	Write a Program to Access the database and display the records using servlets.	L3	CO4	7 M
UNIT-V					
9	a)	What are the advantages of JSP over Servlet? Analyze how JSP resolves the problem with servlets?	L4	CO5	7 M
	b)	Explain about JSP elements with an example.	L2	CO4	7 M
OR					
10	a)	Demonstrate the process of connecting to a database by using JSP with an example.	L3	CO4	7 M
	b)	Explain JSP processing with a neat diagram and list out various JSP translation steps.	L2	CO4	7 M