

**3<sup>rd</sup> SEMESTER EXAMINATION, 2023 – 24**  
**II<sup>nd</sup> Year, M.Tech.– CS&E**  
**WEB TECHNOLOGIES**

**Duration: 3:00 hrs****Max Marks: 100**

*Note: - Attempt all questions. All Questions carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption made in the answer.*

Q 1.	Answer any four parts of the following. a) Define the term world wide web. State its uses. b) What is web browser? Explain the different types of web browser. c) Explain the various components of URL (Uniform Resource Locator). d) What are the various roles of HTTP? Also state the differences between HTTP and HTTPS. e) Define JQuery with the help of a suitable example. f) Differentiate between HTML and XHTML.	5x4=20
Q 2.	Answer any four parts of the following. a) Differentiate between HTML and XML with suitable code snippets. b) Bring out the differences between PHP and Java Script. Also compare with respect to response analysis. c) What are the benefits of implementing in PHP over the other web languages for better database connectivity and other issues? d) Explain the schema of JSON. e) Define HTML DOM. f) What is Content Management System? Explain.	5x4=20
Q 3.	Answer any two parts of the following. a) Write the modules to implement the following using Java Script : (i) Check if the given user id is available. (ii) Sort the given set of user ids in chronological order. b) Apply Event Handling in Java Script for Locating position of pointer on screen. What are Event Objects? On what design technique does the Event Objects applied? Explain. c) What do you understand by hyperlinks in HTML? Write mark-up for an image hyperlink. What are the different services provided by Internet?	10x2=20
Q 4.	Answer any two parts of the following. a) Create an HTML code to create a web page that contains the user registration form with the following details: user name, user date of birth, user address, user gender, user email id, user mobile number. b) Explain about the evolution of HTML. Write a code for creating a simple HTML page that displays the heading and paragraph content. c) What is PHP? Describe PHP session in detail? Explain the steps involved in connect PHP page to MySQL database?	10x2=20
Q 5.	Answer any two parts of the following. a) Write a short note on the following: (i) Apache Server (ii) WordPress b) Why do we need client side scripting languages like Java Script? How are these	10x2=20

	<p>technologies so useful these days? Explain by the help of an example.</p> <p>c)Design a JavaScript program to display the current day and time in the following format.</p> <p>Today is : Monday</p> <p>Current Time is : 11 AM : 50 : 58</p>	
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