Code No.: R22CS603PC

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Regular) - June- 2025
WEB TECHNOLOGIES
(CSE)

[Time: 3 Hours]   **[Max. Marks: 60]**

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 10 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A   (10 Marks)

1. a)	Write the syntax to declare an integer variable in PHP.	[1M]
b)	Which attribute is used to select a radio button by default?	[1M]
c)	What is the purpose of the <Ol> tag in HTML?	[1M]
d)	Name any one rule of a well-formed XML document.	[1M]
e)	What is a servlet?	[1M]
f)	What is the default timeout period for a session?	[1M]
g)	Name one common directive used in JSP.	[1M]
h)	Which implicit object is used to get client request information?	[1M]
i)	Which keyword is used to declare a function in JavaScript?	[1M]
j)	Why client-side form validation is important?	[1M]

PART-B   (50 Marks)

2.a)	Write a PHP function to check whether a number is prime or not.	[4M]
b)	Explain the concept of user-defined functions, including parameters and return values.	[6M]

OR

3.	Explain the file handling in PHP.	[10M]

4.a)	Explain the different types of table tags in HTML.	[5M]
b)	Write the HTML code to display an ordered and an unordered list with your own example.	[5M]

OR

5.	What is DOM? Explain how DOM can be used to parse and manipulate XML data in Java.	[10M]

6.a)	Explain how Cookies and Sessions are used for user tracking in Servlets.	[5M]
b)	Write a code to set a cookie and create an HTTP session with attributes.	[5M]

OR

7.	Explain the process of connecting a Servlet to a MySQL database using JDBC.	[10M]

8.a)	Explain the anatomy of a JSP page with an example.	[5M]
b)	Describe the different types scripting elements used in JSP.	[5M]

OR

9.	Discuss how cookies and sessions are used for session tracking in JSP.	[10M]

10.a)	Describe the structure and the purpose of JavaScript functions.	[5M]
b)	Write a sample JavaScript function that calculates and returns the square of a number.	[5M]

OR

11.	What is the role of JavaScript in client-side form validation?	[10M]

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