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**CMR ENGINEERING COLLEGE: : HYDERABAD  
UGC AUTONOMOUS**

**III-B.TECH-II-Semester End Examinations (Supply) - December- 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)	Define a session in PHP.	[1M]
b)	What operator is used for string concatenation in PHP?	[1M]
c)	What is the difference between HTML and XHTML?	[1M]
d)	Why is CSS used in web development?	[1M]
e)	Identify two HTTP request methods commonly used in servlets.	[1M]
f)	What is the use of Cookies in session management?	[1M]
g)	Name any two implicit objects in JSP.	[1M]
h)	Mention the use of JavaBeans in JSP.	[1M]
i)	What is the scope of a variable in JavaScript?	[1M]
j)	Define the Document Object Model (DOM).	[1M]

**PART-B**

**(50 Marks)**

2. Write a PHP script to read data from a web form control like Checkboxes and explain [10M] with an example.

**OR**

3. Design a PHP script for uploading a file to the server and display the uploaded file's [10M] details.

4. Explain the procedure for validating XML documents. [10M]

**OR**

5. Create an HTML document using Frames and Navigation links. [10M]

6. Develop a servlet that handles both GET and POST requests, demonstrating [10M] parameter retrieval.

**OR**

7. Discuss the role of the Servlet API in web application development, highlighting key [10M] interfaces and classes.

8. Explain the anatomy of a JSP page with an example. [10M]

**OR**

9. Explain how to connect a JSP page to a MySQL database and retrieve data. [10M]

10. Illustrate how DOM can be used to access and modify HTML elements. [10M]

**OR**

11. Create a dynamic webpage using JavaScript to show/hide a menu on click. [10M]

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