

Code No.: R22CS603PC

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H.T.No.

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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 with an example. [10M]

**OR**

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

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 parameter retrieval. [10M]

**OR**

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

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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