

Code No.: CY702PC/AI701PC

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H.T.No.

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**CMR ENGINEERING COLLEGE: : HYDERABAD**

**UGC AUTONOMOUS**

**IV–B.TECH–I–Semester End Examinations (Supply) - December- 2025**

**WEB TECHNOLOGIES**

**(Common for CSM, CSC)**

**[Time: 3 Hours]**

**[Max. Marks: 70]**

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

Part A is compulsory which carries 20 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**

**(20 Marks)**

1. a) How to declare an array in PHP? [2M]
- b) Define directories? How to listing directories using PHP? [2M]
- c) What is an XML DOM? How DOM parses the XML file? [2M]
- d) How to define complex elements in XML Schema? [2M]
- e) What are the two objects that a servlet receives when it accepts a call from client? [2M]
- f) What is the purpose of the content type header in CGI programs? [2M]
- g) How to deal with syntax errors in JSP page? [2M]
- h) Give a brief note on Anatomy of a JSP Page [2M]
- i) How dynamic pages created using java script? Give an example [2M]
- j) How to inserting JavaScript Code? [2M]

**PART-B**

**(50 Marks)**

2. List and explain different file handlings in PHP. [10M]
- OR**
3. Define operator? Explain different operators used in PHP. [10M]
4. Consider XML document with the following schema: [10M]  
[Sl.no, name (First name, last name), Address].  
Write DTD for the above schema.
- OR**
5. Explain about CSS in detail. Create a CSS file with different properties [10M]
6. With the help of neat diagram, explain the servlet architecture. [10M]
- OR**
7. Differentiate between the single threaded and multi threaded servlet method [10M]
8. Discuss about various categories of JSP tags. Explain each of them with syntax and suitable examples. [10M]
- OR**
9. Assume that you have a valid database of B.Tech. Write a JSP program for the result portal. [10M]
10. Describe about form validation concept in JavaScript. Explain with an example program [10M]
- OR**
11. Explain about Document Object Model in JavaScript in detail. [10M]

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