

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) - April- 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) Write a PHP program to print reverse of any given number. [2M]
- b) List any two advantages of PHP. [2M]
- c) Define XML? What are the advantages of XML. [2M]
- d) Write the syntax and purpose of the attributes in tag. [2M]
- e) Write a short notes on Common Gateway Interface (CGI). [2M]
- f) What are the various service methods used in the life cycle of Servlet? [2M]
- g) What are implicit objects in jsp? [2M]
- h) What is the syntax of jsp? [2M]
- i) Write a javascript program to find fibonacci series. [2M]
- j) What is DATE object in JavaScript. [2M]

PART-B

(50 Marks)

2. Write the structure of PHP script with an example. [10M]
- OR**
3. Write a PHP program to demonstrate the passing a variable by reference. [10M]
4. Define CSS. Explain how the different types of CSS can be linked in a HTML document. [10M]
- OR**
5. Create a program to display timetable using <table> tag. The HTML file should contain 6 periods for 6 days(Monday to Saturday), 3 in FN session and 3 in the AN session with a lunch break in between. [10M]
- 6.a. Distinguish between CGI and Servlets. [5M]
- b. Develop a Servlet that handles an HTTP POST request. [5M]
- OR**
7. What is JDBC? How to connect to a database using JDBC servlet. [10M]
- 8.a. Explain the components of jsp. [5M]
- b. Explain briefly about data base connectivity by using JSP. [5M]
- OR**
9. Justify the differences between servlets and jsp. [10M]
10. What is Document Object Model? Describe different properties of Document Object Model in JavaScript. [10M]
- OR**
11. Design a registration page and validate the file with JavaScript language. [10M]
