

Code No.: CS603PC

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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) - January- 2024

WEB TECHNOLOGIES

(Common for CSE, IT, CSD)

[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) What are the various operators supported by PHP? [2M]
- b) What are the common uses of PHP? [2M]
- c) Mention the need for cascading style sheets. [2M]
- d) List the rules to define tags in XML. [2M]
- e) How is servlet different from an applet? [2M]
- f) Name two CGI environmental variables. [2M]
- g) How to deal with syntax errors in JSP page? [2M]
- h) How JSP resolves the problems with servlets? [2M]
- i) What is the scope of variables in javascript? [2M]
- j) Differentiate between JavaScript and Servlets. [2M]

PART-B

(50 Marks)

- 2.a) Explain the user defined functions in PHP with an example [5M]
- b) Write a PHP program for create table and inserting values into that table using database [5M]

OR

- 3.a) Write a PHP program that gives the number of occurrences of the expression in a string using functions. [5M]
- b) Create a PHP program to print sum of digits [5M]
- 4.a) Define the term XML schema. With an example, explain XML document and the formation of an XML schema file. [5M]
- b) How XML documents are parsed using SAX. [5M]

OR

- 5.a) Explain different types of cascading style sheets with suitable examples. [5M]
- b) Compare XML and HTML. [5M]

- 6.a) Develop a servlet that illustrates use of cookies. [5M]
- b) Write a servlet program to represent session tracking. [5M]

OR

- 7.a) Explain in detail the process of building and testing a simple servlet that displays HELLO! in bold type in the browser display area. [5M]
- b) What is JDBC? What are various drivers of JDBC. [5M]

- 8.a) What are the advantages of JSP over servlets? [5M]
- b) Briefly discuss different components in JSP page by considering an example. [5M]

OR

- 9.a) Write a JSP program to insert and view employee details of a company. [5M]
- b) Write the JSP code for finding a factorial of a number. [5M]

- 10.a) Write a JavaScript program to sort numbers (Alphabetically and numerically) [5M]
Sample input: 40,100,1,5,25,10
Sorted Alphabetically: 1,10,100,25,40,5
Sorted Numerically: 1,5,10, 25,40,100
- b) Explain advantages and disadvantages of JavaScript. [5M]

OR

- 11.a) How functions are declared in JavaScript? [5M]
- b) With an example program, explain validation concept in JavaScript. [5M]
