CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-II-Semester End Examinations (Regular) - June- 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) How do you define a function in PHP? [2M]
   b) What is the use of cookies in PHP? [2M]
   c) What is the use of frames in HTML? [2M]
   d) What is the purpose of the Document Object Model in XML? [2M]
   e) What is a Common Gateway Interface (CGI)? [2M]
   f) Define a servlet. [2M]
   g) List any two implicit objects available in JSP. [2M]
   h) Why are beans used in JSP? [2M]
   i) Describe the role of an event handler in JavaScript. [2M]
   j) Give an example of a JavaScript function declaration. [2M]

PART-B (50 Marks)

2. a) Develop a PHP script to handle file uploads from a web form. [5M]
   b) Compare and contrast GET and POST methods for form submission in PHP. [5M]

OR

3. Develop a PHP script to create a web form with fields such as name, email, password, [10M] gender (radio buttons), hobbies (checkboxes), a submit button and process the form data, validate inputs, and display the submitted data.

4. Describe three types of Cascading Style sheets with suitable examples. [10M]

OR

5. Discuss the importance of well-formed XML documents and the role of Document [10M] Type Definitions (DTDs) and XML Schemas in ensuring the validity and structure of XML documents.

6. Describe in detail the life cycle of a servlet and explain the role of each method. [10M]

OR

7. Develop a simple shopping cart application using servlets. Create servlets to add items [10M] to the cart, view the cart, and remove items from the cart. Use cookies to store the cart items on the client side and sessions to maintain the user's cart state across multiple requests.

8. Describe the different types of JSP directives and their purposes. [10M]

OR

9. Illustrate the steps involved in connecting to a database using JDBC in a JSP page [10M] with example code.

10. Explain the importance of form validation and techniques used to validate form inputs using JavaScript with suitable example. [10M]

OR

11. Discuss about document object model in client side scripting. [10M]

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