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18AI643

Sixth Semester B.E. Degree Examination, Dec.2024/Jan.2025
Web Programming

Time: 3 hrs.

Max. Marks: 100

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1 a. Write the syntax of below mentioned HTML elements and briefly explain with example :
   i) <a>   ii) <img>   iii) <meta>   iv) <body>   v) <h1> to <h6>.   **(10 Marks)**
   b. Explain the different relative link type referencing with suitable example.   **(10 Marks)**

OR

2 a. With an example explain CSS box model.   **(10 Marks)**
   b. Discuss the HTML5 semantic structure elements.   **(10 Marks)**

Module-2

3 a. Using HTML :
   i) Create a student registration form with minimum five fields including appropriate style
   ii) Create a table to display student database which includes name, usn, DOB, branch.
   (10 Marks)
   b. What is responsive design? Explain in brief the key components that make a responsive design work.   **(10 Marks)**

OR

4 a. What does floating an element do in CSS? How do you float an element?   **(10 Marks)**
   b. Explain positioning elements with an example.   **(10 Marks)**

Module-3

5 a. Explain document object model. Demonstrate the DOM tree with an example.   **(08 Marks)**
   b. Explain :
   i) Adobe flash
   ii) Java Applets.   **(06 Marks)**
   c. Explain JavaScript layers.   **(06 Marks)**

OR

6 a. With an example explain how do you validate the form.   **(08 Marks)**
   b. With an example program explain PHP program control and PHP functions.   **(08 Marks)**
   c. Explain briefly web servers responsibilities.   **(04 Marks)**

Module-4

7 a. What are the super global arrays in PHP? What function is used to determine if a value was sent via query string? **(10 Marks)**

   b. How do you read or write a file on the server from PHP? Explain with suitable example.
   (10 Marks)

OR

8 a. What are errors and exceptions in PHP? Write a note on PHP error reporting. **(10 Marks)**

   b. Write a PHP program to create a class employee with the following specifications :
   i) Data members : name, id, payment
   ii) Member function : read and write
   Use the above specification to read and print information of 10 students. **(10 Marks)**

Module-5

9 a. What does $( ) shorthand stand for in JQuery! What is a JQuery selector to get all the <p> that contain the word "Hello". **(10 Marks)**

   b. What are the commonly used animations in JQuery? Explain with suitable example.
   (10 Marks)

OR

10 a. What is AJAX? Using an UML diagram, explain how the asynchronous request in handled.
    (10 Marks)

    b. What is XML? Explain the loading and processing of an XML document in JavaScript with suitable example. **(10 Marks)**

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