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20MCA41

Fourth Semester MCA Degree Examination, Dec.2024/Jan.2025
Advances in Web Technologies

Time: 3 hrs.   Max. Marks: 100

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

Module-1

1   a. Briefly explain the file handling functions in PHP with example.   (10 Marks)

    b. Briefly explain string handling functions in PHP (Any 3) with suitable example.   (10 Marks)

OR

2   a. Discuss the following example:
       i) $_GET   ii) $_POST   (10 Marks)

    b. Explain syntactic characteristics and user of PHP.   (10 Marks)

Module-2

3   a. What is Ruby? Explain the various variable used in Ruby.   (10 Marks)

    b. Discuss built-in methods of string in ruby with examples.   (10 Marks)

OR

4   a. Explain directory structure of rails application with a neat diagram.   (10 Marks)

    b. Illustrate built-in methods of arrays and list in ruby with examples.   (10 Marks)

Module-3

5   a. What is Ajax? What are different technologies incorporated in Ajax.   (10 Marks)

    b. Briefly explain various values of ready state and status property of XMLHttpRequest object.   (10 Marks)

OR

6   a. Create a simple Ajax application to send data to the server using GET method and display the server response on the browser.   (10 Marks)

    b. With a neat diagram explain briefly Ajax web application model.   (10 Marks)

Module-4

7   a. Explain the following XMLHttpRequest properties and methods:
       i) Ready state   ii) Status   iii) Open   (10 Marks)

    b. What are the advantages and disadvantages of XMLHttpRequest object.   (10 Marks)

OR

8   a. Write a Ajax program to download Java script.   (10 Marks)

    b. Write a Ajax program to display all header information.   (10 Marks)

Module-5

9   a. What is Bootstrap? Explain briefly default grid system of Bootstrap.   (10 Marks)

    b. What is responsive design? With an example how to create responsive design in bootstrap.   (10 Marks)

OR

10 a. With an example explain briefly checkbox buttons and radio buttons.   (10 Marks)

    b. Create a bootstrap web application using search form, inline form and horizontal form.   (10 Marks)

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