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16MCA42

Fourth Semester MCA Degree Examination, June/July 2018
Advanced Web Programming

Time: 3 hrs.   Max. Marks: 80

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

Module-1

1   a. How jQuery is structured?   (06 Marks)
     b. Which versions of jQuery useful for governmental websites and company local network?
                                                                                     (02 Marks)
     c. Write the situation in which jQuery document ready handler is useful.   (04 Marks)
     d. Describe the situation in which jQuery universal selector can applied.   (04 Marks)

OR

2   a. Explain the basic selectors of jQuery with suitable examples.   (10 Marks)
     b. Create a custom filter to select elements having only numbers, letters or the underscore (-) as their text.   (06 Marks)

Module-2

3   a. Explain any three PHP lexical structure with suitable example.   (06 Marks)
     b. Write a PHP code to handle the following form data:
        (i)   Name field   (ii) Date field   (iii) Gender (o male o female)
        (iv) Contact number (Provide dummy values)   (10 Marks)

OR

4   a. Discuss string handling functions in PHP (Any 3) with suitable examples.   (06 Marks)
     b. Write a PHP program to demonstrate
        (i) Cookie   (ii) Session.   (10 Marks)

Module-3

5   a. Explain Input and Output statements in ruby with suitable examples.   (04 Marks)
     b. Write a ruby program to count the words and their frequencies in the given string.   (04 Marks)
     c. Explain the form handling in rails with example program.   (08 Marks)

OR

6   a. Explain built-up methods for arrays and lists in ruby.   (08 Marks)
     b. Give an example how dynamic documents are generated in Ruby on rails.   (08 Marks)

Module-4

7   a. Discuss how the rich browser experience is made possible.   (06 Marks)
     b. What is JSON? Explain different types of literals used in JSON with examples.   (10 Marks)

OR

8   a. What is Web 2.0? Explain.   (04 Marks)
     b. Explain REST with sample REST call.   (06 Marks)
     c. Write a note on SOAP and WSDL.   (06 Marks)

Module-5

9   a.   Write a note on d3.js   (04 Marks)
    b.   Explain d3.js selects method.   (04 Marks)
    c.   Write a program to draw the bar graph for the following data set [2, 10, 12, 50].   (08 Marks)

OR

10 a.   Explain any four d3.js scales.   (08 Marks)
    b.   Assume any data set and write a d3.js program to draw a Pie chart.   (08 Marks)

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