USN | | | | | | | | | | **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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