CBCS SCHEME

USN | | | | | | | | | | 16/17MCA42

Fourth Semester MCA Degree Examination, June/July 2019
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.   Explain jQuery features and advantages.   (08 Marks)
    b.   Discuss document Ready event and simple selector in jQuery with example.   (08 Marks)

2   a.   Explain with example width( ) and height( ) methods in displaying the dimensions of an element.   (10 Marks)
    b.   Explain with figure event propagation in DOM level 2 with phases.   (06 Marks)

Module-2

3   a.   Explain syntactic characteristics of PHP.   (07 Marks)
    b.   Explain following functions arrays in PHP with suitable examples:
         (i) array_keys   (ii) array_values   (iii) in_array   (09 Marks)

4   a.   Write a PHP program to demonstrate file handling PHP.   (06 Marks)
    b.   Explain the mechanisms available for handling xml in PHP.   (10 Marks)

Module-3

5   a.   Explain any three string methods in Ruby with suitable examples.   (06 Marks)
    b.   Explain following integrators in Ruby : times, each, upto, step, collect, with examples.   (10 Marks)

6   a.   Explain with figure directory structure of rails application.   (06 Marks)
    b.   Give an example how dynamic documents are genererated in Ruby on Rails.   (10 Marks)

Module-4

7   a.   What is social networking? Briefly discuss about folksonomies.   (08 Marks)
    b.   Explain SaaS and multiple delivery channels in Web 2.0.   (08 Marks)

8   a.   What is JSON? Explain different types of literals used in JSON with examples.   (08 Marks)
    b.   Write short notes on SOAP, WSDL and REST services.   (08 Marks)

Module-5

9   a.   What is D3? List its advantages.   (04 Marks)
    b.   Illustrate with example graphing mean daily plaza traffic using dir tag for horizontal bar chart.   (12 Marks)

10 a.   What is SVG? Illustrate with example how to map data to pixels.   (08 Marks)
    b.   What are interactions? Explain with example how interactions are added.   (08 Marks)

* * * * *