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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 generated 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)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.