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16/17MCA42

## Fourth Semester MCA Degree Examination, Dec.2019/Jan.2020 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. What is jQuery? Explain the document ready handler with syntax. How jQuery is structured? (08 Marks)
- b. Explain different methods used for adding and removing class names with example. (08 Marks)

OR

- 2 a. Explain any four basic selectors of jQuery with suitable examples. (08 Marks)
- b. Illustrate with an example append( ), wrap( ), empty( ) and val( ) methods. (08 Marks)

### Module-2

- 3 a. Explain file handling functions in PHP with example. (08 Marks)
- b. Compare cookies and sessions in PHP. How to create a cookie and sessions? Give an example. (08 Marks)

OR

- 4 a. Explain with example scalar types in PHP. (08 Marks)
- b. Write a program to read student data from an XML file and store into the MySQL database and retrieve. (08 Marks)

### Module-3

- 5 a. Explain built-in methods for arrays and list in Ruby. (08 Marks)
- b. Discuss any four string handling functions in PHP with suitable examples. (08 Marks)

OR

- 6 a. Explain directory structure of rails application with a neat diagram. (06 Marks)
- b. Explain the form handling in rails. (06 Marks)
- c. Write a note on RAILS. (04 Marks)

### Module-4

- 7 a. Explain SaaS and social networking with respect to Web 2.0. (08 Marks)
- b. What is JSON? Explain JSON format. (08 Marks)

OR

- 8 a. Describe SOAP. Explain different styles of SOAP with an example. (08 Marks)
- b. Explain REST with sample REST call. Explain WSDL. (08 Marks)

### Module-5

- 9 a. Explain d3.js selects method. Write a note on D3.js. (08 Marks)
- b. Explain the features of D3.js. (08 Marks)

OR

- 10 a. Explain the stack layout in D3. (08 Marks)
- b. Illustrate Graphing Mean Daily Plaza traffic. (08 Marks)

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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 e.g, 42+8 = 50, will be treated as malpractice.