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16MCA42

Fourth Semester MCA Degree Examination, Dec.2018/Jan.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. What is jQuery? Explain the document ready handler with syntax. **(04 Marks)**
   b. Explain different methods used for adding and removing class names with examples.
   (08 Marks)
   c. Explain wrap( ) and unwrap( ) methods with examples. **(04 Marks)**

OR

2 a. Explain HTML( ) and Text( ) methods for replacing HTML and text contents. **(06 Marks)**
   b. Write a short note on : on( ) method. **(04 Marks)**
   c. Explain any two methods to fade an element in and out of visibility. **(06 Marks)**

Module-2

3 a. Write a program to accept student information and store in database using PhP form handling. **(10 Marks)**
   b. Explain for and foreach looping statements in PhP with example. **(06 Marks)**

OR

4 a. Differentiate $_POST and $_GET in PhP with examples. **(08 Marks)**
   b. Write a note on : Pattern Matching in PhP. **(04 Marks)**
   c. Define a PhP session. Explain with example. **(04 Marks)**

Module-3

5 a. Write a note on : Ruby methods. **(06 Marks)**
   b. Define MVC application. Write a note on RAILS. **(06 Marks)**
   c. Differentiate if( ) and unless( ) control statements in Ruby. **(04 Marks)**

OR

6 a. Write a RAILS application program that accepts two integer values and produce the sum of two values and return it to the client. **(10 Marks)**
   b. Define Hash variable. Explain hash variable and any two of its associated methods in Ruby.
   (06 Marks)

Module-4

7 a. What is JSON? Explain with examples how Javascript array and object literals are used for JSON syntax. **(08 Marks)**
   b. Write a short note on :
      (i) Iterative Development
      (ii) Social Networking. **(08 Marks)**

OR

8	a.	Differentiate JSON and XML	(04 Marks)
	b.	Explain Web services.	(04 Marks)
	c.	Write a short note on :	
		(i) SAAS	
		(ii) Folksonomies	(08 Marks)

Module-5

9	a.	What is D3.js? List and explain the features of D3.js.	(08 Marks)
	b.	Explain D3.js SVG.	(08 Marks)

OR

10	a.	Explain D3.js scales.	(08 Marks)
	b.	Explain the role of D3.js axes component.	(08 Marks)

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