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10MCA43

**Fourth Semester MCA Degree Examination, June/July 2013**  
**Web Programming**

Time: 3 hrs.

Max. Marks:100

**Note: Answer any FIVE full questions.**

- 1 a. What are the differences between HTML and XHTML? (10 Marks)  
b. What are the various selector forms? Explain with example. (10 Marks)
- 2 a. Explain XHTML document structure with an example. (10 Marks)  
b. Write a program to generate Fibonacci numbers using java script. (05 Marks)  
c. Write a program in java script to accept three numbers using prompt and calculate the largest of three numbers. (05 Marks)
- 3 a. What are the major uses of java script on the client side? (04 Marks)  
b. Describe the two ways to embed java script in an XHTML document. (06 Marks)  
c. What are the various approaches for accessing elements in javascript? (10 Marks)
- 4 a. What is stacking? Explain with an example. (08 Marks)  
b. What is the purpose of DTD? How to declare elements, attributes and entities in DTD? (12 Marks)
- 5 a. Explain the basics of pattern matching in Perl, and also explain substitutions and transliterate operators. (10 Marks)  
b. What is CGI? How data can be passed in CGI using GET and post methods, with example. (10 Marks)
- 6 a. Write a program in PHP to display welcome message and the current day, month and date. (08 Marks)  
b. Write the major steps to access database mysql using PHP. (12 Marks)
- 7 a. Write a Ruby program to accept three numbers a, b and c, each on its own line, from the keyboard and find the value of the expressions  $10ab - ((c - 1)/17.44)$ . (08 Marks)  
b. Build a Rails application that accepts two integer values and produce the sum of the two values and returns it to the client. (12 Marks)
- 8 Write short notes on:  
a. MIME  
b. HTTP  
c. MVC  
d. XSLT. (20 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 eg, 42+8 = 50, will be treated as malpractice.