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**Fourth Semester MCA Degree Examination, Dec.2014/Jan.2015**  
**Web Programming**

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1
  - a. What is a web server? Explain the operation of web server in brief. (06 Marks)
  - b. What is HTTP? Explain different phases of methods of HTTP. (10 Marks)
  - c. Differentiate between HTML and XHTML. (04 Marks)
- 2
  - a. Write an HTML program to create a registration form with following details: AccNo, Acctype, name, Password, Address, Gender, Date of Birth and also submit and reset button. (10 Marks)
  - b. Explain various selector forms used in CSS with example. (10 Marks)
- 3
  - a. Give examples for different ways of creating arrays in Java script. (05 Marks)
  - b. Write XHTML and Java script. Code to compute and print binomial coefficient of given 'n', 'r' values. (Write Java script function to compute binomial coefficient). (10 Marks)
  - c. Explain pattern-matching methods of strings in Java script with examples. (05 Marks)
- 4
  - a. Explain different types of positioning with illustrations. (10 Marks)
  - b. What is DOM? Describe the DOM structure for a simple document. (06 Marks)
  - c. Explain how stacking of elements can be done in dynamic XHTML. (04 Marks)
- 5
  - a. With a example, explain how an XSLT processor uses XSLT style sheet with an XML document. (10 Marks)
  - b. What is DTD? Explain how to declare elements attributes and entities in DTD. (10 Marks)
- 6
  - a. What are the categories of Perl variables? Give example for each. (06 Marks)
  - b. What is CGI? How data can be passed in CGI using GET and POST methods with example. (10 Marks)
  - c. What are cookies? Explain in brief. (04 Marks)
- 7
  - a. Explain the basics of pattern matching in Perl and also explain substitutions and transliterate operators. (10 Marks)
  - b. What is PHP? What does the chop function do? Give an example. (03 Marks)
  - c. Explain PHP access to database with an example. (07 Marks)
- 8
  - 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 expressions  $10ab - ((c - 1)/17.44)$  (08 Marks)
  - b. Explain different control statements of ruby with examples. (08 Marks)
  - c. Explain string methods of ruby with examples. (04 Marks)

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