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Fourth Semester MCA Degree Examination, June/July 2014 Web Programming

Time: 3 hrs. Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. What is HTTP? Briefly explain its phases. (06 Marks)
 - b. What is conflict resolution? Why is it needed? Explain resolution as a "multistage sorting process". (08 Marks)
 - c. Explain how image formatting is done in XHTML. (06 Marks)
- 2 a. Explain object creation and modification in JavaScript.
- (06 Marks)

b. Explain any three events that can be handled in JavaScript.

(06 Marks)

c. Explain the DOM2 event model with example.

- (08 Marks)
- 3 a. Explain with example how to change the content of XHTML elements dynamically.
 - (10 Marks)

b. Write a XHTML document to create the following form:

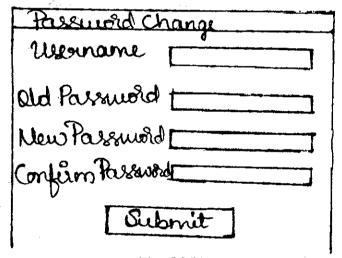


Fig. Q3(b)

Also validate the username and password using JavaScript with the following constraints:

- i) Username should begin with three alphabets followed by two digits and a special character '@' followed by alphabets
- ii) Check whether the new password and confirm password are same or not Display appropriate messages. (10 Marks)
- 4 a. Explain XML document structure and XML schemas. (10 Marks)
 - b. Briefly describe XSLT style sheets. Explain with example, how to use XSLT style sheets to an XML document. (10 Marks)
- 5 a. Explain pattern matching with example in Perl.
 b. How does the associative arrays works in Perl.
 (06 Marks)
 (08 Marks)
 - b. How does the associative arrays works in Perl.
 c. Write a note on the CGI pm and its functions.
 (08 Marks)
 (06 Marks)
- 6 a. How do you sort arrays in PHP using sort, assort, ksort functions. (10 Marks)
 - b. Explain file operation in PHP. (10 Marks)

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7	a.	Mention and explain the string methods in ruby.	(05 Marks)
	b.	Discuss the basic of classes in ruby with example.	(05 Marks)
	c.	Explain how to build a rails application with databases.	(10 Marks)
8		Write short notes on:	
	a.	MIME	
	- b.	Font properties in CSS	
	c.	DTD in XML	
	А	Cookies	(20 Marks)

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