

--	--	--	--	--	--	--	--	--	--

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 :

```

    Password Change
    Username 
    Old Password 
    New Password 
    Confirm Password 
    Submit
  
```

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. (06 Marks)
 - b. How does the associative arrays works in Perl. (08 Marks)
 - c. Write a note on the CGI.pm and its functions. (06 Marks)
6.
 - a. How do you sort arrays in PHP using sort, asort, ksort functions. (10 Marks)
 - b. Explain file operation in PHP. (10 Marks)

- 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 : (20 Marks)
a. MIME
b. Font properties in CSS
c. DTD in XML
d. Cookies.
