



**UVA WELASSA UNIVERSITY**  
**DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY**  
**END SEMESTER EXAMINATION – SEMESTER I – 2008/2009**  
**CST306-3 WEB DEVELOPMENT TECHNOLOGY**

Time Allowed: 1 ½ HOURS

Answer All Questions.

**PART A**

- 1) Briefly describe the following terms. You may use illustrations to explain your ideas.  
(4 × 5Marks)
  - a) AJAX
  - b) Three tier application architecture
  - c) Markup Languages
  - d) Web Services
  
- 2) a) What are the two basic methods of sending data in a HTML form to a server side script? (5 marks)
- b) Which of the above methods is more suitable in following cases? Justify your answer
  - i) Sending information in a user feedback form in a commercial survey (2 marks)
  - ii) Uploading a file to a server (2 marks)
  - iii) Customer logs in to a online store (2 marks)
  - iv) Student uploading an online assignment to the Course management System (2 marks)
  - v) A customer adds number of items of a particular item into a shopping cart (2 marks)
- c) What techniques you could use to identify a returning user in a web application? Briefly explain each technique by giving suitable scenarios (10 Marks)
  
- 3) a) Write a simple program using PHP to retrieve the user name and password sent using a HTML form and to check whether they match with each other. If they match your script should issue the warning “User name and password are identical” Else, display a welcome message “Congratulations! You have chosen a good password” (5 Marks)
- b) Modify the above script to change the Else part so that if user name and password are not identical, search for the matching pair in a MySQL database table USER\_ACCOUNTS and returned a greeting message if successful and an error message if unsuccessful. (10 Marks)