

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. - SEMESTER – VI • EXAMINATION – WINTER 2012****Subject code: 160705****Date: 07/01/2013****Subject Name: Web Application Development****Time: 02.30 pm - 05.00 pm****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Attempt the following: **07**
- 1 Enlist and explain the website design principles. **03**
 - 2 Differentiate between HTML and XHTML. Write XHTML to generate table having following structure: **03**

First	Second	Third
Computer	Civil	
Result		:

- 3 Specify port numbers for httpd and mysqld services. **01**
- (b) Define CSS. Enlist and explain methods of using CSS in web page. **07**
Specify the CSS to provide; link: after visited blue color and before visited red color, table with odd rows white and even rows blue color.
- Q.2** (a) Explain DOM structure of HTML. Write using JavaScript: how to know which mouse button was clicked, number of elements in form, and write hello world. **07**
- (b) Define DHTML. Explain onLoad, onBlur, image preloading, change image size, mouse cursor position. **07**

OR

- (b) Differentiate between server side and client side scripting languages. Write HTML and JavaScript to take input for loginname, password, birthdate, email address, phone no. and validate them. **07**
- Q.3** (a) Compare and contrast between HTML and XML. Write any XML document and DTD to describe its structure including elements, attributes and entities. **07**
- (b) Explain need and working of web services with diagram. **07**

OR

- Q.3** (a) Explain XSL and XSLT using example. **07**
- (b) Explain web feed and blogs with their importance and in specific situation where they should be used. **07**

- Q.4** (a) Explain importance of DOCUMENT_ROOT and specify the same for apache web server. Specify the name and path for configuration file, error log file, access log file of apache. How to change the default file type being responded by web server. Define dynamic IP. Consider all in the question w.r.to Unix/Linux. **07**
- (b) Explain different ways to pass information from one web page to **07**

other(s). Write a PHP program to explain any two ways.

OR

Q.4 (a) Explain the settings required for apache web server and PHP to run PHP programs. Mention how to do the following: consider all the questions w.r.to Unix/Linux. **07**

- Start mysqld and apache services and how to check status.
- Take backup of mysql database tables and how to restore them.
- How logging of web server users.

Q.4 (b) Write a note on server side include. Write a PHP program to demonstrate the same. **07**

Q.5 (a) Write a PHP program to parse and validate XML file using DTD. **07**

(b) Write a PHP program to create MySQL database and table; insert, retrieve data from table, alter the table to add a column and add data in that new column. **07**

OR

Q.5 (a) Explain need of URL redirection. Write the same in PHP, HTML and JavaScript. **07**

(b) Explain variable function and magic methods using PHP program. **07**
