

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI- EXAMINATION – SUMMER 2016

Subject Code:160705

Date:11/05/2016

Subject Name:Web Application Development

Time: 10:30 AM to 01:00 PM

Total Marks: 70

Instructions:

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

- Q.1** (a) How to use the same style sheets for different for different web pages. **07**
(b) Write a CSS that sets an element to occupy 60% of the screen width and that is centered horizontally. **07**

- Q.2** (a) Explain external java script with example. **07**
(b) Write a CSS rule for XHTML document that displays all the links in blue without underlying them, when the mouse hover the link change the link's background color to yellow. **07**

OR

- (b) Create a web application for login form with login and password option. **07**
Password should be up to 5 characters only. Perform necessary validations.

- Q.3** (a) Explain the purpose of the following DOM methods and properties. **07**
(i) getElementById
(ii) createElement
(iii) appendChild
(iv) parentNode
(b) What is XML ELEMENT and XML Schema? Explain CDATA and PCDATA with example. **07**

OR

- Q.3** (a) Write the following styles in separate CSS file and also show how to link this CSS file in HTML file and show use of styles. **07**
(i) The headings should have normal font style and font's size should be 120%
(ii) Define a class arial for paragraph which defines font family arial and font style bold.
(iii) Apply a background color yellow and apply a background image "happy.jpg"
(b) Explain the use of following XSL (XML style sheet Element) **07**
(i) value-of
(ii) for-each
(iii) sort

- Q.4** (a) Show how HTTP request and responses are handled with respect to web server. **07**
(b) Explain the two ways in which XML parser checks whether a document follows the expected order and structure. **07**

OR

- Q.4** (a) Explain the working of web services with diagram and its requirement. **07**
(b) Write a XSLT code to display employee details in a table form which is stored in XML. **07**

- Q.5** (a) Explain web feed and blogs with their importance and in specific situation where they should be used. **07**
(b) Write a note on server side include. Write a PHP program to demonstrate the same. **07**

OR

- Q.5** **(a)** What is Web service? What is role of SOAP in Web service? Give an Example **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**
