

GUJARAT TECHNOLOGICAL UNIVERSITY**BE – SEMESTER – VI EXAMINATION – WINTER 2015****Subject Code:160705****Date:10/12/ 2015****Subject Name: Web Application Development****Time:2:30pm to 5:00pm****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) What is an HTML form? Discuss the different form attributes and design a simple form to register for new semester. **07**
- (b) Give the full names of the following acronym: **07**
(1) WML (2) DOM (3) DHTML (4) ISP (5) XML
(6) HTTP (7) XSL (8) FTP (9) CGI (10) WAP
(11) DTD (12) RSS (13) TCP (14) SOAP
- Q.2** (a) Explain ordered and unordered list with example. **07**
- (b) Write an HTML and JavaScript program which accepts N as input and displays first N Fibonacci numbers as list. **07**
- OR**
- (b) Write a JavaScript that handles following mouse events. Add necessary elements. **07**
(i) JavaScript gives the key code for the key pressed.
(ii) If the key pressed is 'a','e','i','o','u', the script should announce that vowel is pressed.
(iii) When the key is released background should change to blue.
- 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 "apple.jpg"
- (b) What is XML? Write XML file to store personal information of student **07**
- OR**
- Q.3** (a) What is CSS? Explain the different types of CSS. **07**
- (b) Explain XSL and XSLT with example. **07**
- Q.4** (a) Explain the Document Object Model. Explain the explain document object with example. **07**
- (b) What a simple object access protocol (SOAP) can do? Which elements are contained if SOAP is used with XML? Explain SOAP request and SOAP response. **07**
- OR**
- Q.4** (a) Show the use of events for the following with example. **07**
(i) Trap the exiting of the user from a page.
(ii) Show the heading. When the mouse is over the heading the background color should be yellow and when the mouse goes out of the heading, color should change to black.
- (b) Explain RSS elements with example. What are the uses of RSS? **07**
- Q.5** (a) What is PHP? Write a PHP program to find whether entered year is leap year or not. **07**
- (b) What are cookies? Explain the cookies handling in PHP with proper example. **07**

OR

- Q.5** (a) Explain with suitable example, string manipulation with PHP **07**
(b) Read and store student information such as enrollment no, name, semester and percentage in database table named student. Output the data to a web page using PHP. **07**
