

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI • EXAMINATION – WINTER 2013****Subject Code: 160705****Date: 04-12-2013****Subject Name: Web Application Development****Time: 02:30 pm to 05:00 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)** **07**
- (i) Define a class which defines a text alignment style to be left. Show how this same style can be applied to multiple tags? **04**
- (ii) What is the role of Mail User Agent(MUA) and mail transfer agent(MTA)? **03**
- (b)** Write an HTML file with Javascript that finds position of first occurrence of vowel “a”, last occurrence of vowel “a” in a given word and returns the string between them. For example, ajanta- then script would return first occurrence of “a”-that is position 1 and last occurrence-6 and string between them is “jant”. **07**
- Q.2 (a)** Develop an XML document that will hold a book collection with fields for book name, author, ISBN number and quantity. Write suitable document type definition and schema for the XML. **07**
- (b)** Explain the following XSL elements with example. **07**
- (i) sort
- (ii) if
- OR**
- (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**
- Q.3 (a)** **07**
- (i) What are the problems with FTP(file transfer protocol)? **04**
- (ii) What is the meaning of the following? **03**
- a. <meta name="robots" content="noindex,nofollow"/>
- b. <meta http-equiv="pragma", content="no-cache"/>
- (b)** Which HTML tags should be used to get following output? **07**

	Time Table		
	SEMESTER II	SEMESTER IV	SEMESTER VI
Monday	Computer programming	Microprocessor	Computer Graphics
Tuesday	Computer programming	UML	Security

What is the use of Border,width and Cellpadding attributes used in the table?

OR

- Q.3 (a)** **07**
- (i) What is the role of cache and cookies in the browser? **04**
- (ii) How an inline frame be embedded on a page with graphics and text? **03**
- (b)** Write a form to collect details of a user such as name, address, radio button to choose subject of book he wants to buy, Dropdown to choose favorite author, comments for the last book he read. What is the use of <fieldset>? **07**

- Q.4 (a)** **07**
- (i) Write cascading style sheet to get following formatting for the paragraph. **04**
 Text color-green
 Text-indentation – 2 cm
 Font-courier
 Font style-italic
 Text case-uppercase
- (ii) If in the response to GET /index.html HTTP/1.0 returns HTTP/1.1 200 OK. What is the interpretation? What other error codes can be returned? **03**
- (b)** Write a JavaScript that handles following mouse events. Add necessary elements. **07**
- (i) If the mouse is over the heading heading should turn yellow and if the mouse goes out of the heading it should turn black.
- (ii) If findtime button is clicked show time and date information.
- (iii) If button named “red” is clicked, background should change to red and
 If button named “green” is clicked, background should change to green.
- OR**
- Q.4 (a)** **07**
- (i) What are the advantages and disadvantages of client side scripting? **04**
- (ii) How user defined objects can be created in JavaScript? Describe the way in which property values can be added to the object. **03**
- (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.5 (a)** **07**
- (i) What is a web feed? What steps need to be followed to make own RSS feed?
- (ii) How does a streaming server differ from a normal file serving arrangement?
- (b)** Use an array to store student information such as enrollmentno, name, semester and percentage. Output the data to a web page using PHP. **07**
- OR**
- Q.5 (a)** **07**
- (i) Using PHP, how can it be identified that server is dealing with which browser?
- (ii) What PHP can do with header() command?
- (b)** Explain with suitable example, string manipulation with PHP. **07**
