Seat No.: _____ Enrolment No._____

# GUJARAT TECHNOLOGICAL UNIVERSITY

**BE - SEMESTER– VI EXAMINATION – SUMMER 2016**

**Subject Code: 2160708** **Date:13/05/2016**

**Subject Name: Web Technology**

**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)** | What is navigation? Discuss the characteristics of effective navigation. Also write code of html page to open a link in a new browser window. | **07** |
| | **(b)** | Explain following protocols. (Any Two)<br>1. HTTPS 2. FTPS 3. IRC | **07** |
| **Q.2** | **(a)** | Explain different ways to write the CSS with example. | **07** |
| | **(b)** | Explain following html tags with proper example. (Any Three)<br>1. <input> 2.  3. <ul> 4. <frameset> | **07** |
| | | **OR** | |
| | **(b)** | Draw and explain architecture of web browser. | **07** |
| **Q.3** | **(a)** | 1. Difference between DTD and XML Schema.<br>2. Difference between XSD Simple element and XSD Complex element. | **07** |
| | **(b)** | Explain types of array in PHP with example. | **07** |
| | | **OR** | |
| **Q.3** | **(a)** | Explain XML key component. | **07** |
| | **(b)** | Explain PHP and WAMP server in detail. | **07** |
| **Q.4** | **(a)** | 1. Differentiate between Client Side Scripting and Server Side Scripting.<br>2. Enlist inbuilt object of JavaScript. Explain any one in brief. | **07** |
| | **(b)** | Write a JavaScript to find first 10 prime numbers. | **07** |
| | | **OR** | |
| **Q.4** | **(a)** | Explain event handling in JavaScript. | **07** |
| | **(b)** | Write a JavaScript to check input string is palindrome or not. | **07** |
| **Q.5** | **(a)** | Write a web application code using PHP, HTML and MySql for Employees that stores employee's id, name, department, designation, etc. in database. Create proper GUI including buttons that run separate .php file for each database operation like insert, update, delete etc. | **07** |
| | **(b)** | Write a PHP script to print following pattern.<br>1<br>01<br>101<br>0101<br>10101 | **07** |
| | | **OR** | |
| **Q.5** | **(a)** | Explain session and cookies in PHP with proper example. | **07** |
| | **(b)** | Write a PHP script that validate email address using Regular Expression when user click on VALIDATE button. | **07** |

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