Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VI Examination-Nov/Dec-2011

Subject code: 160705 **Date: 30/11/2011**

Subject Name: Web Application Development

Time: 10.30 am -1.00 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)** Answer the following with respect to web design. **07**

1. Bowser compatibility issue and its possible solution.
2. What is navigation? Discuss the characteristics of effective navigation.

(b) What is an HTML form? Discuss the different form attributes and design a simple form to register for new semester. **07**

Q.2 **(a)** Give the document structure for the XHML document and give the characteristics which differentiate it from HTML. **07**

(b) What do you mean by planning a website? Discuss about the objectives and goals, and target audience in detail with proper example. **07**

OR

(b) How do you identify the contents for your website? How do you organize them for easy and quick access? Discuss with some real example. **07**

Q.3 **(a)** What is CSS? Explain different ways to write the CSS and show the importance of "id" and "class" in CSS. **07**

(b) Design an login form using HTML and JavaScript with following validations on password field : minimum length 8 characters, it should have some special character. **07**

OR

Q.3 **(a)** Why do you need validation? Show the use of regular expression in JavaScript to validate the email address with example. **07**

(b) What are JavaScript objects? List the important built-in objects. How can you write your own object? **07**

Q.4 **(a)** Answer the following questions. **07**

1. Explain the event handling in JavaScript with simple example.
2. What is DTD? Give and explain the sample DTD.

(b) Write PHP programs to **07**

1. To print whether current year is leap year or not.
2. To print whether given number is odd or even.

OR

Q.4 **(a)** Explain the following with small example. **07**

1. XSL transformation
2. Web feeds

(b) Write PHP program to print first 10 Fibonacci numbers. **07**

Q.5 **(a)** What are the different types of arrays in PHP? Explain with example to process the arrays in PHP. **07**

(b) What are cookies? Explain the cookies handling in PHP with proper example. **07**

OR

Q.5 **(a)** Explain the following with respect to PHP. **07**

1. Sending an email
2. String processing

(b) How can you connect to database in PHP? Show the simple database operation using PHP with proper example. **07**