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 **07**
a simple form to register for new semester.

Q.2 **(a)** Give the document structure for the XHML document and give the **07**
characteristics which differentiate it from HTML.
(b) What do you mean by planning a website? Discuss about the objectives **07**
and goals, and target audience in detail with proper example.
OR
(b) How do you identify the contents for your website? How do you organize **07**
them for easy and quick access? Discuss with some real example.

Q.3 **(a)** What is CSS? Explain different ways to write the CSS and show the **07**
importance of "id" and "class" in CSS.
(b) Design an login form using HTML and JavaScript with following **07**
validations on password field : minimum length 8 characters, it should
have some special character.
OR
Q.3 **(a)** Why do you need validation? Show the use of regular expression in **07**
JavaScript to validate the email address with example.
(b) What are JavaScript objects? List the important built-in objects. How can **07**
you write your own object?

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 **07**
process the arrays in PHP.

1

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

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 **07** operation using PHP with proper example.

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