

GUJARAT TECHNOLOGICAL UNIVERSITY
B E Sem-VI Examination May 2011

Subject code: 161602

Subject Name: Web Technology and Programming

Date: 23/05/2011

Time: 10.30 am – 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 HTTP? How do browser and server communicate using HTTP request and response? Explain with example. **07**
- (b) What is HTML table? Explain table element with necessary attributes. **07**
 Give the code to print following table.

- Q.2** (a) What do you mean by meta tags? What are their purposes? Explain the different meta tags. **07**
- (b) What is frame set? Explain the use of frame set in web site design with proper example. **07**

OR

- (b) What do you mean by “class” and “id” in CSS? Show the use of external CSS with example. **07**

- Q.3** (a) What do you mean by event in JavaScript? Give at least two examples of events with their handling. **07**
- (b) Write a JavaScript program to print first N odd numbers divisible by 7. **07**

OR

- Q.3** (a) Answer the following questions with respect to JavaScript. **07**
1. Give the different purpose for which JavaScripts are used.
 2. Writing user defined objects in JavaScript.
- (b) Write an HTML form accepting an integer having 4-digits. Provide necessary validations using JavaScript. Input should not accept characters. **07**

- Q.4** (a) Answer the following questions. **07**
1. Difference between HTML and XHTML
 2. How can you write DTD?.
- (b) Explain the following. **07**
1. Web feeds
 2. Associate arrays in PHP

OR

- Q.4** (a) What is XML? Give its elements and explain its use with example. **07**
- (b) Write a PHP program to make the sum of first 100 odd numbers. **07**

- Q.5 (a)** What is CGI? How does it work? How do web server and CGI program communicate? **07**
- (b)** Explain the Web programming using PERL with proper example. **07**
- OR**
- Q.5 (a)** Write PERL programs for **07**
1. Printing first N odd numbers
 2. Reverse an integer number
- (b)** Explain the form processing in PERL with simple example. **07**
