

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE SEM-VI Examination-Nov/Dec-2011**

**Subject code: 161602**

**Date: 30/11/2011**

**Subject Name: Web Technology and Programming**

**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) What is cascading style sheet? Write short note on **07**  
(i) Inline style sheet  
(ii) External style sheet.
- (b) Describe the structure of a HTML document. What is the difference **07**  
between tag and attribute? Explain with an example.

- Q.2** (a) Give the full name of the following acronyms. **07**  
(i) HTTP (ii) FTP (iii) PHP (iv) HTML (v) XML (vi) XSLT  
(vii) TCP (viii) UDP (ix) URI (x) URL (xi) DOM (xii) DTD  
(xiii) WML (xiv) WAP
- (b) How many types of list are supported by HTML? Explain each one in **07**  
brief.

**OR**

- (b) Explain the following in brief **07**  
(i) FTP (ii) E-Mail (iii) WML

- Q.3** (a) What is Document Object Model? Explain the various objects in **07**  
Document Object Model.
- (b) Write a program using Java Script, which sorts elements of an array in **07**  
descending order using bubble sort.

**OR**

- Q.3** (a) What are objects in Java Script? Explain properties, methods and **07**  
event of window object of Java Script.
- (b) Create a HTML page with Java Script, which takes one integer **07**  
number as input and tells whether the number is even or odd.

- Q.4** (a) What is XML? What are rules of elements in XML? Write the **07**  
disadvantages of attributes of XML.
- (b) Create a HTML page using Java Script, which gives functionality of **07**  
calculator like addition, multiplication, division and subtraction.

**OR**

- Q.4** (a) Define the following with reference to XSL **07**  
(i) value-of (ii) if (iii) for-each (iv) XSL:choose  
(v) sort (vi) XSL : fo (vii) xpath
- (b) What is a DTD? What are its applications? What are its advantages **07**  
and disadvantages?

- Q.5** (a) Write a short note on the following **07**  
(i) Web Services  
(ii) SOAP

- (b)** Write a short note on the following **07**  
(i) Web Server  
(ii) Blogs

**OR**

- Q.5 (a)** Write a short on the following **07**  
(i) CGI  
(ii) PERL  
**(b)** Explain the PHP session and PHP cookie with an example. **07**

\*\*\*\*\*