

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

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