GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VI Regular Examination May 2011
Subject code: 160705
Subject Name: Web Application Development

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)** i) Explain following terms: URI, Web browser, HTTP   **03**

ii) Explain following terms with example.   **04**
<optgroup>   2) <span>

(b) Explain CSS with all types. Explain BOX MODEL.   **07**

Q.2 **(a)** What are differences between client side and server side scripting **07** language? Write down java script code to check mobile number (mobile number should start with 9 or 8) and mail id(check @ and .).

(b) i) Generate XML file from below code: **04**
```
<!DOCTYPE NEWSPAPER [
<!ELEMENT NEWS(ARTICLE+)>
<!ELEMENT ARTICLE(HEADLINE, BODY, NOTES)>
<!ELEMENT HEADLINE(#PCDATA)>
<!ELEMENT BODY(#PCDATA)>
<!ELEMENT NOTES(#PCDATA)>
<!ATTLIST ARTICLE AUTHOR CDATA #REQUIRED>
<!ATTLIST ARTICLE EDITOR CDATA #IMPLIED>
```
ii) Explain following terms: <xs: sequence>, <value-of>, <for-each>   **03**

OR

(b) What is XML ELEMENT and XML Schema? Explain CDATA and **07** PCDATA with example.

Q.3 **(a)** Give the answer of following question.   **07**
    i)   Justify it:" HTTP is called as stateless protocol".
    ii)   How can you open a link in a new browser window?
    iii) What's the correct syntax for referring to an external script called "abs.js"?
        1)   <script href="abc.js">
        2)   <script src="abc.js">
        3)   <script target="abc.js">
    iv) What is difference between Java script and JAVA?
    v)   Give difference between DTD and XML schema.
    vi) Justify it: "Java script is used in validation techniques".
    vii)Which file can be configured for Apache Web Server?

(b) Write down java script code to validate user name and password **07** (password length must in between 6 to 12 characters. User name should not start with _, @, or any number, both are not blank).

OR

Q.3 **(a)** How do you create cookie in PHP? Give difference between session and **07** cookie with example.

(b) Write down HTML/CSS code to create table with 5 rows and 3 columns. **07**
Even no. of rows display in green color and odd no. of rows display in
yellow color.

Q.4 **(a)** What's contribution of SOAP, Web feeds and BLOGS to web services? **07**
What is aggregation in web services?
(b) What's SOAP? Explain structure of SOAP. **07**

OR

Q.4 **(a)** Explain Web server. Give difference between IIS and Apache Web **07**
Server? Write down only steps of UNIX/LINUX web server.
(b) What is the relation ship among SOAP, XML, and HTTP? Explain with **07**
example.

Q.5 **(a)** What's myadmin and database bug. What's function in PHP? Explain **07**
types of function with example.
(b) What's PHP? Write down source code to create database and retrieve **07**
data with connection of PHP.

OR

Q.5 **(a)** How do you connect to server with PHP? Explain with example. **07**
(b) What are basic commands of PHP? Explain with example. **07**

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