

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VI • EXAMINATION – WINTER 2013

Subject Code: 161602**Date: 09-12-2013****Subject Name: Web Technology and Programming****Time: 02:30 pm to 05:00 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 are the uses of JavaScript? Explain any two with example. **03**
 - (b) XHTML is stricter language than HTML. Justify. **03**
 - (c) Discuss different design issues at the time of designing an effective website. **04**
 - (d) What is Cascading Style Sheet? Compare inline, embedded and external style sheet with example. **04**

- Q.2**
- (a) What is the difference between GET and POST methods in form submitting? Give the cases where we can use GET and POST methods. **04**
 - (b) List different types of input elements in HTML. Explain any two with example. **03**
 - (c) Design a web page which contains list of radio buttons (car names) and one image element/tag. When particular car name is clicked then image element displays the chosen car into image tag. Write HTML and JavaScript code for the same. **04**
 - (d) What is meta tag? How it is useful by search engine? **03**

OR

- (c) Design a web page which contains image and button element/tag. When button is clicked then images get changed periodically (every 5 Sec). Write HTML and JavaScript code to generate the same. **04**
- (d) Explain following properties with respect to CSS. **03**
1. Float 2. Margin

- Q.3**
- (a) Write a code to design single PHP page with following requirements: **07**
 - It accepts input like firstname, lastname, age and city.
 - When user clicks on submit button then his/her details should be inserted into table.
 - Also it performs validation (using JavaScript) like any of the input field should not be empty.

Assume that database and table are created in MYSQL.

- (b) Write HTML code to display following irregular table. **04**

A	B	D	E		F
	C		G	H	I
	J				
K			L	M	

- (c) Explain index and associative arrays in PHP. **03**

OR

- Q.3**
- (a) Write a code to design a web page in PHP which allows user to upload file with following restrictions. **07**
 - Only pdf and jpeg file can be uploaded.
 - File size should not exceed 1000KB.
 - Same name file should not be there in folder

If upload is successful then it should display all details of the file like its name, size and type otherwise it asks to upload again if it does not satisfy above requirements.

- (b) Write HTML code to design the page layout using table tag like header, sidebar and content area. Header, sidebar and content area contain image as a background, menu using hyperlinks and login facility respectively. Use External style sheet. **04**
- (c) Explain the use of following arrays in PHP. **03**
1. \$_REQUEST [] 2. \$_SERVER[]
- Q.4** (a) What is cookie in PHP? How to create and destroy it? Is it used to transfer data among the pages? If yes, then give its example. **07**
- (b) Design HTML page with one textbox and image tag. When focus moves from textbox then all characters should be converted to uppercase and when mouse over/out on image then image should be changed. Write JavaScript code for the same. **03**
- (c) Explain advantages of external JavaScript with example. **04**
- OR**
- Q.4** (a) What is session? How cookie and session are related? If any browser has disabled accepting cookie, then how to maintain session between each request from client to server and vice versa. Explain with example. **07**
- (b) What are frames? List out its advantages and disadvantages. **03**
- (c) Explain different types of pop box in JavaScript. **04**
- Q.5** (a) What is Perl? How to read the parameters send by user in CGI program using Perl? **04**
- (b) Compare DTD and schema for XML. **03**
- (c) Briefly explain following: **04**
1. SOAP 2. Web Feeds
- (d) How to read directory in PHP? Write sample code for the same and explain it. **03**
- OR**
- Q.5** (a) Explain CGI. Also write simple CGI program to display “Hello World” into browser. **04**
- (b) Write XML file to store book information like its name, author, publisher and price for at least two books and also gives the DTD for the same file. **03**
- (c) How to read and write file in PHP? Explain with example. **04**
- (d) Explain the need of web server and web browser. **03**
