

SRM University, SRM Nagar, Kattankulathur - 603203
Department of Information Technology
Cycle Test – 1

Degree / Branch: B Tech / IT

Title of the Paper: Web Systems and Technology

Duration: 2 Periods

Subject Code: IT1020

Semester: VI

Max. Marks: 50

Instructional Objective covered by this test:

IO1: Understand different internet Technologies, web 2.0 and create a basic website using HTML and Cascading Style Sheets

IO4: Design a simple web page in PHP, and to present data in XML format.

Student Outcome:

Outcome m (For IO1): An understanding of best practices and standards and their application.
(ABET criterion m)

(m1) Understanding latest standards like HTML5, CSS3, Javascript.

(m2) Creating an advanced website using the suite of web 2.0 technologies

Outcome i (For IO4): An ability to use current techniques, skills, and tools necessary for computing practice.(ABET criterion i)

Sub outcomes of i:

i1. An ability to use PHP appropriately to solve the business logic with the web server.

PART B (5 X 4 = 20 marks)
Answer any FIVE questions

1. Write a note on Web 2.0.

2. How do you create ordered list containing hyperlinks

3. Use XHTML to create a document that contains the following text

$$(a+b)^2=a^2+b^2+2ab$$

4. Create a HTML page to display the following list in the document:

i) Apple

ii) Orange

iii) Banana

5. How do you set the dimensions of an element using CSS.

6. Write a PHP code to validate the username and password fetched from a HTML form, with the specific hard coded values

PART C (2 X 15 = 30 marks)

7. a) Create web pages to demonstrate positioning of HTML elements with CSS alignment properties. 1. Relative 2. Absolute 3. Fixed properties

(OR)

b) Write HTML code to design the following registration form. Use <table> element for proper alignment.

name	<input type="text"/>
age	<input type="text"/>
Mobile	<input type="text"/>
City	<input type="text"/> ▼
Country	<input type="text"/> ▼
<input type="submit" value="Submit"/>	

8. a) Create a phone book in PHP which includes name and phone number. Include the following operations in the phone book.

(i) Insert a contact details

(ii) Search a contact in the phone book

(OR)

b) Consider the following array elements in PHP

```
$Fruits = array ("Apple", "Orange", "Mango", "Banana')
```

(i) Add "Stawberry" to end of the array

(ii) Display the array elements

(iii) Display number of elements in the array

* * * * *