

**BHARATHIAR UNIVERSITY, COIMBATORE.**  
**MASTER OF COMPUTER APPLICATIONS (MCA) DEGREE COURSE**  
(Affiliated Colleges - Effective from the academic Year 2011-2012)

**SCHEME OF EXAMINATIONS – CBCS PATTERN**

Sem	Study Components	Course title	Ins. hrs/ week	Examinations				Credit
				Dur.	CIA	Marks	Total Marks	
	<b>Semester I</b>							
I	Paper I	Introduction to Information Technology	4	3	25	75	100	3
	Paper II	Computer Organisation and Architecture	4	3	25	75	100	3
	Paper III	Problem Solving in C	4	3	25	75	100	3
	Paper IV	Numerical Algorithms & Statistics	4	3	25	75	100	3
	Paper V	Accounting and Financial Management	4	3	25	75	100	3
	Practical I	Web Designing Lab	3	3	40	60	100	4
	Practical II	Problem Solving using C Lab	4	3	40	60	100	4
	Paper VI	Web Designing	3	3	25	75	100	3
II	Paper VII	Data Structures and Algorithms	4	3	25	75	100	3
	Paper VIII	Relational Database Management Systems	4	3	25	75	100	3
	Paper IX	System Software and Operating Systems	4	3	25	75	100	3
	Paper X	Computer Graphics	4	3	25	75	100	3
	Paper XI	Mathematical Foundations of Computer Science	4	3	25	75	100	3
	Practical III	Data Structures and Algorithms Lab	3	3	40	60	100	4
	Practical IV	RDBMS Lab	4	3	40	60	100	4
	Paper XII	Web Services	3	3	25	75	100	3

Note: The syllabi for the above papers (**except Paper VI - Web Designing & Practical I – Web Designing Lab**) be the same as prescribed for the academic year 2007-08

**PAPER VI : WEB DESIGNING**  
**(for the candidates admitted during 2011-12 batch)**

**Subject Description**

This Course presents the basics of Web designing.

**Goals:**

To enable the students to learn the Programming Languages for Web designing **Objectives :**  
On successful completion of the course the students should have:

- Understood the fundamentals of Web design and how to program using java script

**Contents**

**UNIT I**

**Basics of Web Design:** The structure of a page – Understanding the Basic document structure- Attribute groups – Basic Text formatting – Presentational Elements – Phrase Elements – Lists - Editing text

**UNIT II**

**Links and Navigation :** Basic links – understanding directory and directory structures – creating links with the <A> element – Advanced Email links. Colors, Images and Objects : Adding colors to your site, Choosing colors for the web, Adding images to the site, adding other objects with the <object> element .

**UNIT III**

Tables : Introduction – Basic table elements and attributes – advanced tables – accessibility issues with tables.

Forms : Creating a form with the <form> element – Form controls –creating labels for controls –HTTP get – HTTP post.

**UNIT IV**

**Frames :** Introduction – the <frameset> element – the <frame> element- the <noframes> element – creating links between frames nested framesets – floating or inline frames.

CSS : Introduction – CSS properties – controlling fonts –text formatting – text pseudo classes – selectors – Backgrounds – tables

How to add script to your page –Operators – functions – conditional statements –looping – writing simple javascript.

**UNIT V**

XML : Structure of XML Document – Introduction to DTD –Entities and other components – XML Schemas.

ASP : The Basics of ASP Programming – The Request and Response objects – Server objects – Session objects.

**REFERENCE BOOKS:**

1. “Beginning Web programming with html,Xhtml,CSS and Javascript”, Jon Dunkett , First Edition, Wiley Publishing Inc,
2. “Developing XML solutions” Jake Sturm, 2001 Edition, WP Publishers.
3. “ASP 3.0 A Beginner’s Guide”, Dave Mercer, 2001 Edition, Tata McGraw Hill Publisher.
4. “Interactive VBScript” – Techmedia Publishers.
5. “Web Design the complete reference”, Thomas.A.Powell, Second edition, Tata McGraw Hill Publishers.

## **Practical I - Web Designing Lab**

### **HTML**

1. Design the website using various HTML tags.
2. Create a page for Job vacancy using HTML tags.

### **JavaScript**

3. Write a HTML program using JavaScript and apply some Mathematical functions.
4. Write a HTML program using JavaScript and apply various built-in functions and user-defined functions.
5. Write a HTML program using JavaScript for Hospital Management System.

### **VBScript**

6. Write a HTML program using VBScript and apply the Form validation.

### **XML**

7. Write a XML program to maintain the student database.
8. Write the XML program to implement the Internal DTD and External DTD.

### **ASP**

9. Develop the webpage using ASP.
10. Develop the Browser capability Components using ASP.