

**SARDAR PATEL UNIVERSITY**  
**Programme: BCA**  
**Semester: II**  
**Syllabus with effect from: November/December-2011**

<b>Paper Code: US02CBCA04</b>	<b>Total Credit: 3</b>
<b>Title Of Paper: Web Application Development</b>	

Unit	Description in detail	Weighting (%)
I	<b>Introduction to DHTML &amp; Cascading Style Sheets</b> What is DHTML? Applications of DHTML Components of DHTML Scripting : introduction, client-side v/s server-side Introduction to Cascading Style Sheets (CSS) Ways of specifying style – inline, internal, external	25%
II	<b>Advanced CSS &amp; Basics of JavaScript</b> Font, color, background, text, border, margin and list related attributes Use of classes, spans, divs Working with layers Introduction to JavaScript Applications and advantages of JavaScript Using JavaScript on a webpage	25%
III	<b>Advanced JavaScript</b> JavaScript basics – syntax, data types and literals, type casting, variables, operators, arrays Flow control statements Built-in functions Working with strings, numbers, dates & times, etc. User interaction through dialog boxes User-defined functions	25%
IV	<b>Document Object Model &amp; HTML Forms</b> Introduction to DOM Understanding objects in HTML DOM hierarchy Manipulating objects Working with HTML forms Basic form elements Event handling	25%

**Basic Text & Reference Books :-**

1. Ivan Bayross, “Web Enabled Commercial Applications Development using HTML, DHTML, Javascript, Perl CGI”
2. Wilton P. : Beginning JavaScript, 2nd Edition, Wiley DreamTech, 2004
3. Danny Goodman, Machael Morrison , “JavaScript Bible”, 3rd edition

