	<b>P1</b> :	5CS552 Page No 1				
		U.S.N				
	and the second s	P.E.S. College of Engineering, Mandya - 571 401 (An Autonomous Institution affiliated to VTU, Belagavi) Fifth Semester, B.E Computer Science and Engineering Semester End Examination; Dec - 2017/Jan - 2018 Web Technologies				
	Ti	ne: 3 hrs Max. Marks: 100				
	No	te: Answer FIVE full questions, selecting ONE full question from each unit.				
UNIT - I						
1	a.	Explain web server operation and general server characteristics.	8			
	b.	Explain web programmers tools used in web programming.	10			
	c.	Explain MIME type specification in request/response transaction.	2			
2	a.	Write an XHTML document to describe an ordered list of your five favorite movies, each	10			
		element of the list must have a nested list of at least two actors in your favorite movies.	10			
	b.	Explain all controls that are crated with the <input/> tag with example which are used for text	7			
		collection.	,			
	c.	What tag and attribute are used to define a link?	3			
		UNIT - II				
3	3 a.	What is the purpose of external level style sheet? Compare it with the other levels. Write the	10			
		format of external level style sheet.	П			
	b.	Write a note on conflict resolution and explain <span> and <div> tags.</div></span>	8			
	c.	What is the CSS box model used for? What are the elements that it includes?	2			
4	a.	Explain object creation and modification in JavaScript.	6			
	b.	Write a JavaScript program to check the validity of phone number and name.	8			
	c.	Write XHTML document and JavaScript code to implement to count the number of names in	<i>.</i>			
		the given array that end in either 'ie' or "y".	6			
UNIT - III						
5	a.	Discuss the different approaches of HXTML element access in JavaScript.	6			
	b.	Illustrate with JavaScript program handling of events from button element.	8			
	c.	Explain event handler connection for DOM2 event model.	6			
6	a.	Write JavaScript code which displays the message when the mouse button is pressed no	-			
		matter where it is on the screen.	6			
	b.	With example explain absolute and relative positioning of elements of JavaScript.	10			
	c.	Explain element visibility with an example.	4			

Contd...2

## P15CS552

## UNIT - IV

7	a.	With respect to XML schemas, explain complex types.	7		
	b.	Explain XSLT processing with an example.	7		
	c.	Describe XML namespaces and their definition syntax.	6		
8	a.	Describe logical internal structure of an array in PHP.	5		
	b.	Explain any five commonly used string functions in PHP.	5		
	c.	Create an XHTML document with PHP to display the number, square root, square, cube and	10		
		quadruple. (The output should contain 10 Nos.).	10		
UNIT - V					
9	a.	Explain how Rails reacts to dynamic documents?	6		
	b.	Write short notes on directory structure of Rail.	6		
	c.	Write short notes on layouts in Rails with example.	8		
10	a.	Explain the characteristics of Ajax. Explain traditional and Ajax browser-server interaction	8		
		with diagram.	0		
	b.	Build a Rails applications that uses Ajax to provide a personalized greeting to a user when	6		
		the uses types in his or her name.	0		
	c.	Discuss briefly functions that are used to trigger Ajax in Rail.	6		

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