Time: Three Hours]

TCS-401

B. Tech. (CSE) (Fourth Semester) End Semester EXAMINATION, 2017

WEB TECHNOLOGY

[Maximum Marks: 100

Note:	(i)	This	question	paper	contains	five
		questions.				No.
	(ii)	All questions are compulsory.				
	(iii)	(iii) Instructions on how to attempt a question				
	are mentioned against it.					
	(iv)) Total marks assigned to each question are				
		twenty	7.			
1. At	temr	ot any t	wo question	ns of cho	ice from (a	ı), (b)

(a) (i) Explain any five new tags introduced in HTML5.

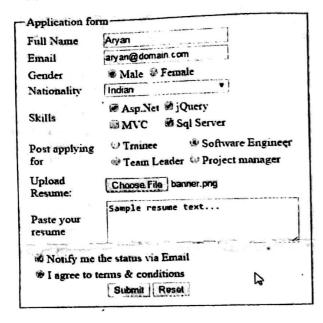
(ii) Explain ordered, unordered and definition list. 5

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(2×10=20 Marks)

and (c).

(b) Write the code to create application form.



- (c) Describe the significance of frames (iframe & frameset) in HTML document. Explain with suitable example.
- 2. Attempt any two questions of choice from (a), (b) and (c). (2×10=20 Marks)
 - (a) What is style sheet? What are the different ways to insert style sheets in HTML document? How do we decide which type of style sheet to use?

- (b) Design a horizontal dropdown navigation menu using the following properties-hover, float, clear, border, background, list, links, overflow, margin, padding, display, div etc.
- (c) Explain CSS Box Model in detail. Write the CSS coding also.
- 3. Attempt any two questions of choice from (a), (b) and (c). (2×10=20 Marks)
 - (a) Explain Event Handling in JavaScript. Write the JavaScript code for any five different events.
 - (b) (i) Describe Document and Location object.
 - (ii) Differentiate between client-side and server-side scripting.
 - (c) Write a JavaScript to validate the following fields in a registration page:
 - (i) Name should not be left blank (contains alphabets and the length should not be less than 6 characters).
 - (ii) Password (should not be less than 8 characters).
 - (iii) E-mail (should not contain invalid addresses).
 - (iv) Email Field should have hint.

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- 4. Attempt any two questions of choice from (a), (b) and (c). (2×10=20 Marks)
 - (a) Difference between HTML & XML. Explain every point by giving the appropriate coding.
 - (b) Suppose an XML document contains one or more objective type questions. Each question has four alternatives, one of which is correct. Each question has also a number and an answer. A question can be identify uniquely by its number. Write a sample XML file and write a DTD for it. Clearly mention the assumption you made.
 - (c) (i) What are the differences between Well Formed and Valid XML Document? Explain.
 - (ii) Define XML parser. Discuss DOM and SAX parser.
- 5. Attempt any two questions of choice from (a), (b) and (c). (2×10=20 Marks)
 - (a) Write a PHP code to retrieve records from the database and show in tabulated form (Assume any database).
 - (b) Explain the importance of cookies and sessions in web programming with suitable example of each.
 - (c) Write the PHP code to upload the file. And find the relevant information about the file like name, type, size etc.

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