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## TCS-401

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

*Time : Three Hours ] [ Maximum Marks : 100*

**Note :** (i) This question paper contains *five* questions.

(ii) All questions are compulsory.

(iii) Instructions on how to attempt a question are mentioned against it.

(iv) Total marks assigned to each question are **twenty**.

1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) (i) Explain any *five* new tags introduced in HTML5. 5

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

[ 2 ]

TCS-401

- (b) Write the code to create application form.

**Application form**

Full Name

Email

Gender ☒ Male ☐ Female

Nationality

Skills ☒ Asp.Net ☒ jQuery  
☒ MVC ☒ Sql Server

Post applying for ☐ Trainee ☒ Software Engineer  
☐ Team Leader ☐ Project manager

Upload Resume:  banner.png

Paste your resume

☒ Notify me the status via Email  
☒ I agree to terms & conditions

- (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 ?

A-73

[ 3 ]

TCS-401

- (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.

A-73

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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.