

**Subject Code: D5807**

**M.Tech. - II Semester [R09] Regular/Supplementary Examinations, November - 2012**

**WEB TECHNOLOGIES**

(Com. to CS and CS&E)

**Time: 3 Hours**

**Max Marks: 60**

**Answer any FIVE questions  
All questions carry EQUAL marks**

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1. a. Write the HTML code to set the font of a text using external style sheet and internal style sheet.  
b. Write a java script code to validate the user entry of user id and pass word fields of a HTML page. The validation should check for the entry of nulls.
2. a. Explain the DOM of Java script.  
b. Write the properties and methods of the following java script objects
  - i) Document
  - ii) Window
  - iii) Navigator
3. a. Write a sample DTD to the book with any four elements like name of book, author, no of pages, date of edition and write an XML code to include this DTD file.  
b. Write the differences between DOM and SAX parsers
4. a. What are the Entity Beans ? Explain them the life cycle of an Entity bean.  
b. Explain the Constrained properties of a Java Bean with java code.
5. a. What are the Objects used to share the information in servelets  
b. Explain any five methods of Servlet Request Interface
6. a. What are the implicit objects of a JSP ?  
b. What are cookies? How to tackle the problem if the user disables the cookies?
7. a. Write a sample JSP that counts the number of times any user visit that page and displays that count.  
b. Explain the Use bean tag of a JSP with example
8. a. Explain the Struts frame work with example.  
b. Write a sample java program to connect to a database from a JSP using JDBC

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