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| SET-1 |
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**B. Tech III Year II Semester Examinations, April/May-2012**  
**WEB TECHNOLOGIES**  
**(Common tot CSE, IT)**

**Time: 3 hours**

**Max. Marks: 75**

**Answer any five questions**  
**All questions carry equal marks**

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1. a) Explain the purpose of cascading style sheets.  
b) Design and create the page(s) for accepting the values of name and marks in a table then displays them in the descending order of the marks. [15]
2. With an example explain how parameters are passed to functions in JavaScript. [15]
3. a) What is Document Object Model (DOM)? Explain the DOM levels.  
b) Explain the working of XSL. [15]
4. a) Describe the different types of properties used in Java Beans with an example.  
b) Explain about Introspection. [15]
5. Briefly explain about Tomcat web server. [15]
6. a) What are the limitations of Servlets? How JSP over comes these problems?  
b) Explain the Directive and Scripting elements of JSP. [15]
7. Explain error handling and debugging in JSP pages. [15]
8. a) Explain the process of accessing a database from a JSP page.  
b) Explain struts framework. [15]

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SET-2

**B. Tech III Year II Semester Examinations, April/May-2012****WEB TECHNOLOGIES****(Common tot CSE, IT)****Time: 3 hours****Max. Marks: 75****Answer any five questions****All questions carry equal marks**

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1. Explain the following input components in HTML forms with proper syntax of the corresponding HTML tags.
  - a) Text Input
  - b) Selectable list with multiple selection option
  - c) Radio Buttons.[15]
2.
  - a) Explain the characteristics of DHTML.
  - b) Write a JavaScript program to convert distance in kilometers, miles to meters or inches.[15]
3.
  - a) What is XML? How is XML useful? How is XML compatible with others?
  - b) Explain DTD sequences.[15]
4. Explain the Enterprise Java Beans technology and its importance on developing the sever-side architecture. [15]
5.
  - a) Explain the life cycle of a servlet.
  - b) Write a session tracker that tracks the number of accesses and last access data of a particular web page.[15]
6.
  - a) Explain JSP processing.
  - b) How do you test Tomcat server? Explain.[15]
7.
  - a) Describe various steps that are needed for accessing a database from a JSP page.
  - b) Discuss about memory usage considerations in JSP application development.[15]
8. Explain the deploying of JAVA Beans in a JSP page. [15]

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| SET-3 |
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**B. Tech III Year II Semester Examinations, April/May-2012**  
**WEB TECHNOLOGIES**  
**(Common tot CSE, IT)**

**Time: 3 hours**

**Max. Marks: 75**

**Answer any five questions**  
**All questions carry equal marks**

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1. Write in detail on HTML and CSS with suitable examples. [15]
2. a) Write a java script to verify a phone number, email-id and date formats.  
b) Compare and contrast HTML and DHTML with suitable examples. [15]
3. a) What is a document type definition (DTD)? How do you create DTD?  
b) Explain DTD sequences. [15]
4. a) Describe the bean info interface.  
b) Explain the advantages and disadvantages of Java Beans. [15]
5. a) Discuss about javax.servelet package.  
b) What are the security issues related to servlets. [15]
6. a) Explain the anatomy of JSP page.  
b) Give an overview of java software development kit. [15]
7. Explain the procedure of how JSP is used to generate dynamic data using an example. [15]
8. Explain the following  
a. javax.sql.\* package  
b. Struts framework. [15]

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| SET-4 |
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**B. Tech III Year II Semester Examinations, April/May-2012**  
**WEB TECHNOLOGIES**  
**(Common tot CSE, IT)**

**Time: 3 hours**

**Max. Marks: 75**

**Answer any five questions**  
**All questions carry equal marks**

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1. Write HTML code to create a frame with a table contents on the left side of the window, and have each entry in the table of contents. Use internal linking to scroll down the document frame to the appropriate subsection. [15]
2. a) Explain the need for scripting languages in web programming.  
b) Explain the features of Java Script. [15]
3. What is an XML schema? With an example explain the working of XML schema. [15]
4. a) How are EJBs related to simple java beans? What are the difference between them?  
b) Describe BDK Introspection. [15]
5. a) Explain how Http POST request is processed using Servlets  
b) How cookies are used for session tracking? [15]
6. a) What are the problems with servlet?  
b) Explain testing of tomcat. [15]
7. Discuss about implicit objects in JSP. [15]
8. Write short notes on  
a. Accessing a database from a JSP page  
b. Struts framework. [15]

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