B.E. Computer Technology / Computer Science & Engineering Sixth Semester
CSE604 - Web Technology

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Notes :
1. All questions carry equal marks.
2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. Illustrate your answers with the help of programs.

1. a) Write short note on XML namespaces. Give example. **8**

b) Write on external DTD for the following XML document named 'bookstore.xml'. **4**

```
<? xml version = '1.0'  encoding = 'UTF – 16'
    standalone = 'no'?>
<! DOCTYPE bookstore system "bookstoreinfo. dtd">
<bookstore>
    <book  pubyear = '2009'>
        <title> XML & Related technologies </title>
        <author 1> Atul Kahate </author 1>
        <authore 2> </author 2>
    </book>
    <book   pubyear = '2000'>
        <title> Web Technologies </title>
        <author 1> Puntambekar </author 1>
        <author 2> Pankaj Sharma </author 2>
    </book>
</bookstore>
```

c) Differentiate between XML and HTML. **4**

OR

2. a) Describe any five XSLT elements with syntax and examples. **8**

b) Explain architecture of SAX parser for XML document parsing. **8**

3. a) Differentiate between: **8**

i) Servlet init and context init parameters.

ii) Get and Post method.

b) List and explain different types of servlet containers. **8**

OR

4. a) Write a servlet to retrieve information about server, client machine, user, path and HTTP request parameters. Explain. **8**

	b)	Explain the terms:	**8**

      i)   Web server   ii)   Web client

5. a)   What do you mean by HTTP response? Also explain syntax of any 5 (five) methods to set HTTP response headers.   **8**

    b)   Write short notes on: **8**
       i)   Request Dispatcher interface and its methods.
       ii)   Cookies.

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OR

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6. a)   Explain session life cycle.   **8**

    b)   Differentiate between JSP and servlets. Give examples of both.   **8**

7. a)   Describe Type – 1, Type – 2 Type – 3 and Type – 4 JDBC drivers.   **8**

    b)   Differentiate between: **8**
       i)   JDBC and ODBC drivers.
       ii)   Execute Query ( ), execute update ( ) and execute ( ) methods of java.sql. statement interface.

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OR

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8. a)   What is JDBC? Explain its architecture.   **8**

    b)   What is Java Beans? Write a program to Illustrate how to deploy Java Beans in a JSP page.   **8**

9. a)   What are different ASP.NET applications?   **8**

    b)   Write short notes on: **8**
       i)   Input Validation Controls in ASP.NET.
       ii)   Types of server controls in ASP.NET.

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OR

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10. a)   Explain ASP.NET page life cycle.   **8**

    b)   Explain different code models used in ASP.NET applications. Give examples of each.   **8**

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