

**B.Tech. – VIEP – COMPUTER SCIENCE AND  
ENGINEERING (BTCSVI)**

**Term-End Examination**

**December, 2014**

00176

**BICS-023 : WEB TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** Attempt any **seven** questions. All questions carry equal marks.

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1. (a) Explain the advantages of XML over HTML.
- (b) Explain how images can be inserted into an HTML document. *2×5=10*
2. (a) What are the major goals of the EJB specification ?
- (b) What are the differences between session beans and entity beans ? Give examples of their usage. *2×5=10*
3. Explain the life cycle of stateless session beans and stateful session beans with diagrams. *10*
4. Describe the two important interfaces included in the Servlet API HttpServletRequest and HttpServletResponse along with Servlet life cycle. *10*
5. (a) Differentiate between DOM and SAX.
- (b) Describe Dynamic HTML in detail. *2×5=10*

6. What is a custom tag in JSP ? What are the components that make up a tag library in JSP ? 10
  7. Explain the different types of JDBC drivers with suitable examples. 10
  8. Explain the method of error handling and debugging routines of JSP Application development environment. 10
  9. Compare and contrast cookies and sessions, with suitable examples. 10
  10. Write short notes on any *two* of the following :  $2 \times 5 = 10$ 
    - (a) Cyber laws
    - (b) Tomcat server
    - (c) Struts framework
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