

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

**Term-End Examination**

**June, 2015**

**00570**

**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) Describe HTML and DHTML. 5  
(b) Explain the various objects in Java script. 5
2. (a) What are the differences between checkboxes and radio buttons ? 5  
(b) Describe XML documents and schema. 5
3. Write a Java script that scripts a text, then prints the number of characters, words and lines in the text. 10
4. Discuss the layered architecture of EJB and its components in brief. 10
5. Differentiate between Session beans and Entity beans in terms of object sharing, object state, transactions, container failure and object recovery. 10

6. Explain the following JSP objects and their use in web programming : 10
- (a) Config object
  - (b) Page object
  - (c) Application object
  - (d) Session object
7. Explain the four types of drivers available with JDBC and their uses. 10
8. What is Java servlet ? Explain with a neat illustration, the life cycle of servlet. 10
9. (a) Explain how cookies can be used for session tracking in servlets. 5
- (b) Compare and contrast DOM and SAX. 5
10. Write short notes on any *two* of the following :  $2 \times 5 = 10$
- (a) Web Applications
  - (b) Error Handling and Debugging
  - (c) Tomcat Server Features
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