BICS-023

B.TECH. COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2013

BICS-023 : WEB TECHNOLOGY

Time : 3 hours   *Maximum Marks : 70*

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

1. (a) Describe Dynamic HTML.   5

    (b) Explain about various objects in Javascript.   5

2. (a) Describe the problems associated with   5
         servlets.   How to overcome these
         problems ?

    (b) Describe about the steps needed in JSP   5
         application design.

3. Write a Javascript which accepts a text, then   10
    prints the count of number of character, words
    and line in the text.

4. (a) Explain the significance of Java Beans with   5
         the help of suitable examples.

    (b) Discuss the enterprise Java Beans   5
         technology and its importance on
         developing the server side architecture.

5. Explain how JSP processing in handled. Also show how JSP are better than servlets ? **10**

6. (a) Describe in detail about document object model. **5**

   (b) Compare and contrast DOM and SAX. **5**

7. (a) How a database is accessible from a JSP page that is created ? **5**

   (b) How a Java bean is deployed in a JSP page ? Explain with example. **5**

8. What is a Java servlet ? Explain with a neat illustration the life cycle of servlet. **10**

9. Compare and contrast cookies and sessions with suitable examples. **10**

10. Write short notes on *any two* of the following :

    (a) HTML frames **2x5=10**

    (b) HTML Vs DHTML

    (c) Tomcat server features