

00333

**B.TECH. COMPUTER SCIENCE AND
ENGINEERING (BTCSEVI)**

Term-End Examination

December, 2012

BICS-023 : WEB TECHNOLOGY

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions.

All questions carry equal marks.

1. (a) Explain how images can be inserted into a HTML document. 5
- (b) What is the difference between group of checkbox buttons and group of radio buttons ? 5

2. Write a javascript to display the denomination of the amount deposited in the bank in terms of 100's, 50's, 20's, 10's, 5's, 2's, and 1's. (eg : If deposited amount is 163 the output should be 1 - 100's, 1 - 50's, 1 - 10's, 1 - 2's and 1 - 1's). 10

3. Explain the functionality of Javax.servlet package for web servers. Discuss about various classes and interface of the package. 10

4. (a) Discuss about dynamic content. 5
(b) List the methods in request object. 5
5. List and explain the steps involved in a basic JDBC program. 10
6. (a) Describe XML documents and Schema. 5
(b) Describe DOM and SAX. 5
7. (a) What are Java Beans and its advantages ? 5
(b) What are the constrained properties of Java Beans ? Explain about interface of Beans. 5
8. Explain the methods of error handling and debugging routines of JSP Application development environment. 10
9. Describe various steps that are needed for accessing a data base from JSP page. 10
10. Write short notes on *any two* of the following :
(a) Struts 2x5=10
(b) Tomcat Server
(c) EJB
-