

**B.Tech. - VIEP - COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)****Term-End Examination****June, 2014****BICS-023 : WEB TECHNOLOGY***Time : 3 hours**Maximum Marks : 70*

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

1. (a) What is the difference between group of checkbox button and group of radio button ? 5
- (b) What is a package in Java ? Explain how package is created in Java. 5
2. (a) How does HTML differ from XML ? Explain with the help of an example. 5
- (b) What are the differences between a session and a cookie ? 5
3. Explain how two servlets can communicate through a shared object. How can you ensure that the garbage collection mechanism does not derail this approach ? 10

4. Briefly explain the advantages and disadvantages of different types of drivers of JDBC. 10
5. (a) Explain the JDBC 3.0 API. 5
- (b) Assume that there is a table named as Student in MS-Access with the following fields : Std_Id, Name, Course, Ph_No.
- Write a Java program to insert and then display the records of this table using JDBC. 5
6. What is a custom tag in JSP ? What are the components that make up a tag library in JSP ? 10
7. (a) Explain the different types of Enterprise Beans briefly. 5
- (b) What are the Session Beans ? Explain the different types of Session Beans. 5
8. Describe the layered architecture of EJB and explain all its components briefly. 10
9. Explain the methods of error handling and debugging routines of JSP application development environment. 10
10. Write short notes on any *two* of the following : $5 \times 2 = 10$
- (i) Tomcat Server
- (ii) DOM and SAX
- (iii) API