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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- Oct 2017

B.Tech VII Semester (CSE/IT)

COURSE CODE: 12B1WCI733   MAX. MARKS: 25

COURSE NAME: Advanced Java

COURSE CREDITS: 3   MAX. TIME: One Hour Thirty Minutes

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. Write a code fragment to explain all the stages of life cycle of a Servlet.   **[3 marks]**

2. Explain any four different types of tags or scripting elements used in JSP.   **[2 marks]**

3. What is the role of deployment descriptor in Servlet programming?   **[2 marks]**

4. What are the advantages of *PreparedStatement* over *Statement* in JDBC?   **[2 marks]**

5. Write a code fragment to show how persistent cookies are used for session tracking for shopping cart application.   **[4 marks]**

6. Create an HTML file (say login.html) in which a client submits his *username* and *password*. The parameters are passed to *Servlet1*. The *Servlet1* validates the password and username entered by the user. If the username and password entered by the user are correct then the *Servlet1* forwards the request to *Servlet2*, which displays a message called *"Welcome username"*. If the *username* or *password* entered by the user is wrong, then the user is requested to re-enter his/her details by including the *login.html* file. (Assume that *username* is *nav* and *password* is *ketan*).   **[6 marks]**

7. Create a web application for user registration system. In this application, user enters his/her details such as name, email and password through an HTML form (index.html). The request through this html form is sent to a JSP page ("Process.jsp"), which retrieves the parameters and then inserts the user details to a table called UserDetails {userid varchar2, uname varchar2, upassword varchar2}.   **[6 marks]**