

Dr Anmol.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
T2-EXAMINATION-OCTOBER 2019

B. Tech VII Semester

Course Code: 12BIWCI733

Max. Marks: 25

Course Name: Advanced Java

Course Credits: 3

Max. Time: 1 Hour 30 Minutes

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

1. Explain the three methods to generate the sessions in Servlets along with their advantages and disadvantages. (CO-3) [4 marks]
2. Illustrate the use of *include()* and *forward()* methods of *RequestDispatcher* interface using a Servlet program. (CO-3) [4 marks]
3. Write a web-application in which the user enters her/his *username* and *password* through an HTML form. The *username* and *password* are sent to the *Servlet1*. The *Servlet1* verifies the user's details from a database *USER* (*name, password*). If the *username* or *password* does not match, the *Servlet1* displays an error message and asks the user to re-enter his/her details. If the user name and password are valid, *Servlet1* calls the *Servlet2* that displays a message "Welcome username". (CO-2, CO-3) [6 marks]
4. You are given a table called Employee (*empid* varchar, *ename* varchar, *age* number(2), *salary* number(5, 2). Write a JSP program to insert two records into the table Employee table using the *PreparedStatement* interface. (CO-2, CO-3) [5 marks]
5. Differentiate between the following terms:
 - Servlet and CGI scripting
 - Statement and PreparedStatement in jdbc
 - *doPost()* and *doGet()* method of *HttpServlet* class. (CO-2) [6 marks]