

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-2 EXAMINATION- 2022

B.Tech (IT) Semester V

COURSE CODE: 18B11CI511

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. Write a JSP program to display the following information to the user(s) at the client side.
 - Display the session id
 - Display the creation time of the session
 - Display the last accessed time of the session
 - To check if the session is new or old (CO-2) [4 marks]
2. Write a Java Bean class *Student* with its properties as *rollnumber*, *firstname*, and *lastname*. Now, perform the following based on the above Bean class. (CO-4)
 - Make use of *useBean* tag to instantiate the bean class
 - Use *setProperty* tag to assign the values to the bean properties
 - Use *getProperty* tags to retrieve the values from the bean properties [2+2+3+2=8 marks]
3. Illustrate the use of static and initialization blocks with a suitable example/Java program. (CO-4) [3 marks]
4. Attempt the following on the basis of the table *Emp* (*empid* VARCHAR, *ename* VARCHAR, *city* VARCHAR)
 - Define a stored function *getEmpDetails()* that returns the details of all the employees who live in city 'Mumbai'.
 - Define a JSP/Servlet to call the above function using CallableStatement interface. (CO-3) [2+5=7 marks]
5. Differentiate the following terms with suitable example(s). (CO-2)
 - Directive Scriptlet
 - Declarative Scriptlet
 - Expression [3 marks]