

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-2 EXAMINATION- 2025

B. Tech-V Semester (IT)

COURSE CODE (CREDITS): 18B11CI511 (3)

MAX. MARKS: 25

COURSE NAME: Advanced Java

COURSE INSTRUCTORS: Dr. Amol Vasudeva

MAX. TIME: 1 Hour 30 Minutes

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable assumptions wherever required for solving the problems

Q No	Question	CO	Marks
Q1	Write a web application where a student enters his/her roll number through an HTML form, which is being passed as a parameter to a servlet called Record . The servlet then searches the student's roll number from a table called Student (rollnumber varchar(10), sname varchar(20), attendance double) in a database. On the basis of this roll number, the attendance status of the student is displayed on the user's browser.	CO-2	6
Q2	Write a code fragment to show how persistent cookies are used for session tracking for a shopping cart application.	CO-3	5
Q3	Illustrate the use of forward() and include() methods of RequestDispatcher interface with a suitable example.	CO-3	5
Q4	Suppose that you are given a table Student (rollnumber varchar(10), sname varchar(20)) with multiple records already inserted into it. Write only the JDBC statements to perform the following using PreparedStatement interface. • Insert two records into the table. • Delete the record of the student having roll number '101'.	CO-2	4
Q5	Write a JSP page that retrieves a parameter username from an HTML page and displays it on the user's screen (there is no need to write the HTML file).	CO-3	3
Q6	What are various scriptlet tags in JSP ? Explain briefly in 2-4 statements.	CO-3	2