JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B. Tech. - V Semester (CSE/IT)

COURSE CODE (CREDITS): **18B11CI511** MAX. MARKS: **15**

COURSE NAME: **ADVANCED JAVA**

COURSE INSTRUCTOR: Ajeet Kumar Verma MAX. TIME: **1 Hour**

Note: *(a) All questions are compulsory.*

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

(c) Use of calculators is not allowed

Q.No	Question	CO	Marks
Q1	Explain the difference between AWT components and Swing components. Give any two examples of Swing components.	1	3
Q2	What is a Layout Manager in Java? Explain any two layout managers with their use.	1	3

Q3	Consider the following code snippet using ArrayList. What will be the output?
	
	ArrayList<Integer> list = new ArrayList<>();
	list.add(10);
	list.add(20);
	list.add(10);
	list.remove(1);
	System.out.println(list.size());
	
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	list.add(10);
	list.add(20);
	list.add(10);
	list.remove(1);
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		1	3

Q4	What is JDBC? Explain the basic steps involved in JDBC programming.	2	3
Q5	Differentiate between Two-Tier and Three-Tier Client/Server Architecture used in JDBC.	2	3

JUIT TEST-1 EXAMINATION FEB-2026

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