

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2EXAMINATIONS- 2026

B.Tech IIISemester (CSE)

COURSE CODE (CREDITS):18B11CI313(4)

MAX MARKS: 25

COURSE NAME:DATABASE MANAGEMENT SYSTEMS

COURSE INSTRUCTOR:Deepika Bhaik

MAX. TIME: 1 Hour 30 Min

Note:(a) All questions are compulsory.

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

(c) Use of calculator is not allowed

Q.No	Question	CO	Marks
Q1	Write a note on different types of Joins.	[CO3]	[5]
Q2	Write short notes with examples on : 1. BETWEEN, IN and GroupBy operators 2. DDL Statements	[CO3]	[3+2]
Q3	Consider a relation R(A, B, C,D,E) and Functional dependency Set : {A→B, BC→D, E→C, D→A} Find all the : 1. Candidate keys 2. Prime Attributes 3. Non Prime Attributes	[CO4]	[3+1+1]
Q4	Given a relation R(A, B, C, D, E, F) and Functional dependency Set : {C→F, E→A, EC→D, A→B} Check if the relation is in 2NF. Support your answer with proper explanation.	[CO4]	[5]
Q5	Write a program in PL/SQL to display the sum of first 10 natural numbers.	[CO3]	[5]