

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2024)

CLASS: BCA
BRANCH: BCA

SEMESTER : III
SESSION : MO/2024

SUBJECT: CN203 DATABASE MANAGEMENT SYSTEM

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
-

		CO	BL
Q.1(a)	What is relational data model?	[2] 1	1
Q.1(b)	Explain transaction management.	[3] 2	2
Q.2(a)	Differentiate schema and instance.	[2] 1	1
Q.2(b)	What is three-schema architecture of database management system?	[3] 2	2
Q.3(a)	What is an entity set? What are its different types?	[2] 1	1
Q.3(b)	Discuss different types of relationships with examples.	[3] 2	2
Q.4(a)	What are the various keys in database?	[2] 1	1
Q.4(b)	Draw an ER diagram of employee database.	[3] 2	2
Q.5(a)	What is normalization?	[2] 1	1
Q.5(b)	Write a short note about purpose of a DBMS.	[3] 2	2

:.....19/09/2024:.....E