

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

CLASS: B.Tech.
BRANCH: ECE

SEMESTER : Vth
SESSION : MO/2025

SUBJECT: CS265 DATABASE SYSTEM CONCEPTS (MINOR)

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
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		CO	BL
Q.1(a) What is a Database and give its common use?	[2]	1	REM
Q.1(b) Explain advantages of DBMS.	[3]	1	REM
Q.2(a) Define Roles and responsibilities of DBA.	[2]	1	REM
Q.2(b) Explain different level of data abstraction In Database.	[3]	1	REM
Q.3(a) Define types of Data models in DBMS.	[2]	1	UN
Q.3(b) Explain an entity and attributes in E-R Model.	[3]	2	UN
Q.4(a) Explain DDL, DML with example.	[2]	2	UN
Q.4(b) Write SQL for creating Student table with primary key.	[3]	2	APL
Q.5(a) Explain Relational algebra in Database.	[2]	3	UN
Q.5(b) Explain normalization (Normal form) in DBMS.	[3]	3	UN

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