

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

**CLASS: BCA
BRANCH: BCA**

**SEMESTER : III
SESSION : MO/2025**

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
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		CO	BL
Q.1(a)	What are the different types of database Users?	[2] 1	1
Q.1(b)	Draw a neat diagram and explain view of data.	[3] 2	2
Q.2(a)	Differentiate instance and schema.	[2] 1	1
Q.2(b)	What are the responsibilities of DBA?	[3] 2	2
Q.3(a)	Define primary key and foreign key.	[2] 1	1
Q.3(b)	Explain Specialization with example.	[3] 2	2
Q.4(a)	What are constraints in ER model?	[2] 1	1
Q.4(b)	Draw an entity relationship diagram of a hospital management system.	[3] 3	3
Q.5(a)	Define functional dependency.	[2] 1	1
Q.5(b)	What are the pitfalls in relational database design.	[3] 2	2

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