

## QUIZ - IV SEMESTER (CSE/CSE-Artificial Intelligence/CSE- Cyber security)

## Database Systems (IT\_2253/CSE 2251)

Max Marks: 10

**Duration: 30 minutes** 

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Note: a. Answer All the questions

b. Overwriting on the answers is not accepted.

Consider the given tables and write the SQL query for the given questions from 1 to 2

1	Jane Doe
2	John Smith

BOOK	D TITLE	AUTHOR_ID	PUBLICATION_YEAR
101	The Book of SQL	1	2020
102	Database Design 101	2	2018
103	Advanced SQL Techniques	1	2022
105	Null Chronicles	2	2021
104	NULL BOOK	1	2023
106	Null and Vold		2021

books table

using the UNION set operation write SQL query to combine the distinct titles of books written by 'Jane Doe' and 'John Smith'

Answer: SELECT \* FROM authors table union

2. Query to Update author\_id in books table to 2 where it is NULL

Answer: UPDATE SELECT \* FROM BOOKS TABLE, WHERE AUTHOR\_ID

UPDATE FROM BOOKS TABLE WHERE = " " UPDATE AUTHOR\_ID="nameto update";

Of the a relation Student(Roll Name, Class, Fees, Team) with the following tuples:

OR AUTHOR D 3. Given a relation Student(Roll, Name, Class, Fees, Team) with the following tuples:

Roll	Name	Department	Fees	Team
1	Bikash	CSE	22000	Α
2	Josh	CSE	34000	A
3	Kevin	ECE	36000	C
4	Ben	ECE	56000	D

Select all the students of department ECE whose fees is greater than equal to 10000 and belongs to Team other than A.

a) o Fees >= 10000(o Team != 'A' (Student))

b)  $\sigma$  Fees >= 10000( $\sigma$ Team = 'A' (Student))

c)  $\pi$  Fees >= 10000( $\pi$  Team = 'A' (Student))

• d)  $\pi$  Fees >= 10000( $\pi$  Team != 'A' (Student))

4. Which of the following statements are true:

I. Each superkey is a superset of some candidate key.

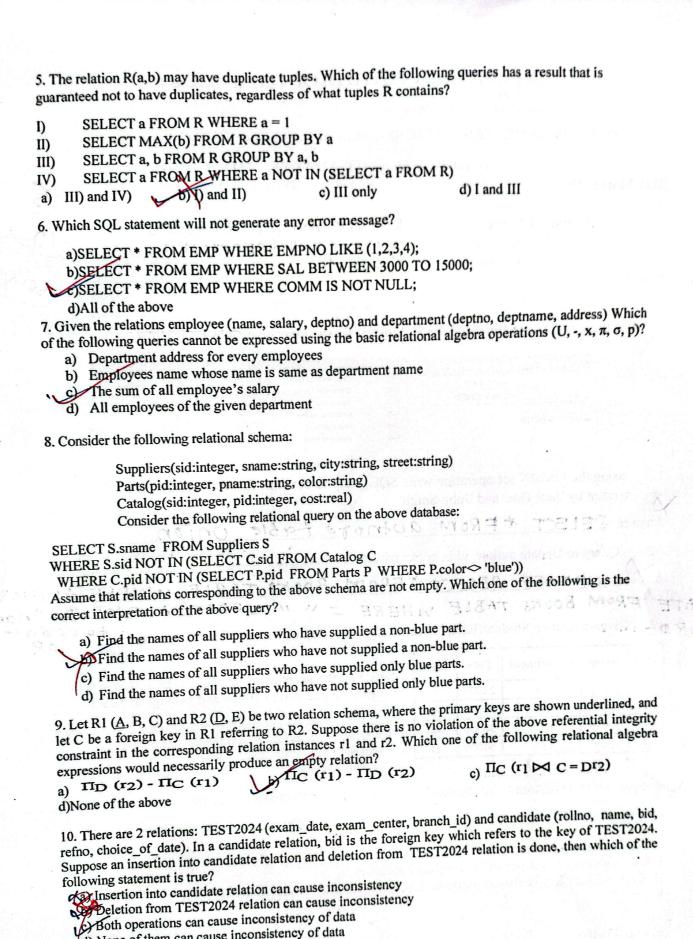
II. Each primary key is also a candidate key, but there may be candidate keys that are not primary keys.

a) only I is true

both I and II are true b) only II is true ~

d) neither I nor II are

true



(d) None of them can cause inconsistency of data

**CS** CamScanner