

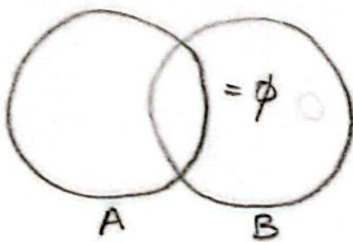
ADVANCED DATABASE CONCEPTS - ASSIGNMENT 3

- SUBASHREE VS

8.

A → Students who know all students in set B (Knows-All-Bloomington)

B → Students who live in Bloomington, make atleast 55 000 and have atleast one skill



$$B - A = \emptyset$$

$$\neg \exists x (x \in B - A)$$

9.

A → All companies

B → companies that employ managers making less than or equal to 50 000

All companies & no overlap with set B



$$B - A = \emptyset$$

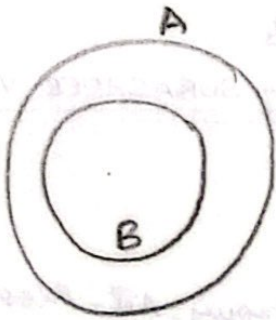
$$A \neq B$$

$$\forall x (x \in A \Rightarrow x \notin B)$$

10.

A → Students known by a particular student

B → Students who have almost two managers.

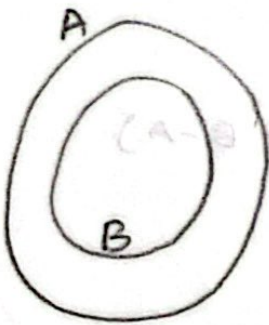


$$|A \cap B| \geq 3$$

$$\exists x_1, x_2, x_3 \in A \cap B$$

A → companies

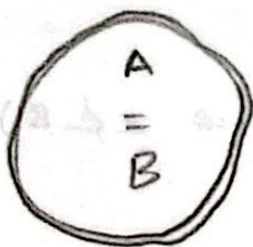
B → Companies that employ students with atleast two skills
(even count)



$$|A \cap B| \% 2 = 0$$

A → Students with a certain number of skills

B → Students with the same number of skills as another Student



$$|A| = |B|$$

$$p_1, p_2 \in A \wedge p_1 \neq p_2$$

BY SUBASHREE V S