SE302T: Database Management Systems

Quiz # 5

Time: 40 minutes

Marks: 15

StudentID	StudentName	Courses	Instructor
101	Ali Khan	DBMS, OOP	Mr. Ahmed, Ms. Sana
102	Sara Malik	OOP, DSA	Ms. Sana, Mr. Bilal
103	Ahmed Raza	DBMS, AI	Mr. Ahmed, Dr. Hina
104	Zainab Fatima	DSA, AI	Mr. Bilal, Dr. Hina

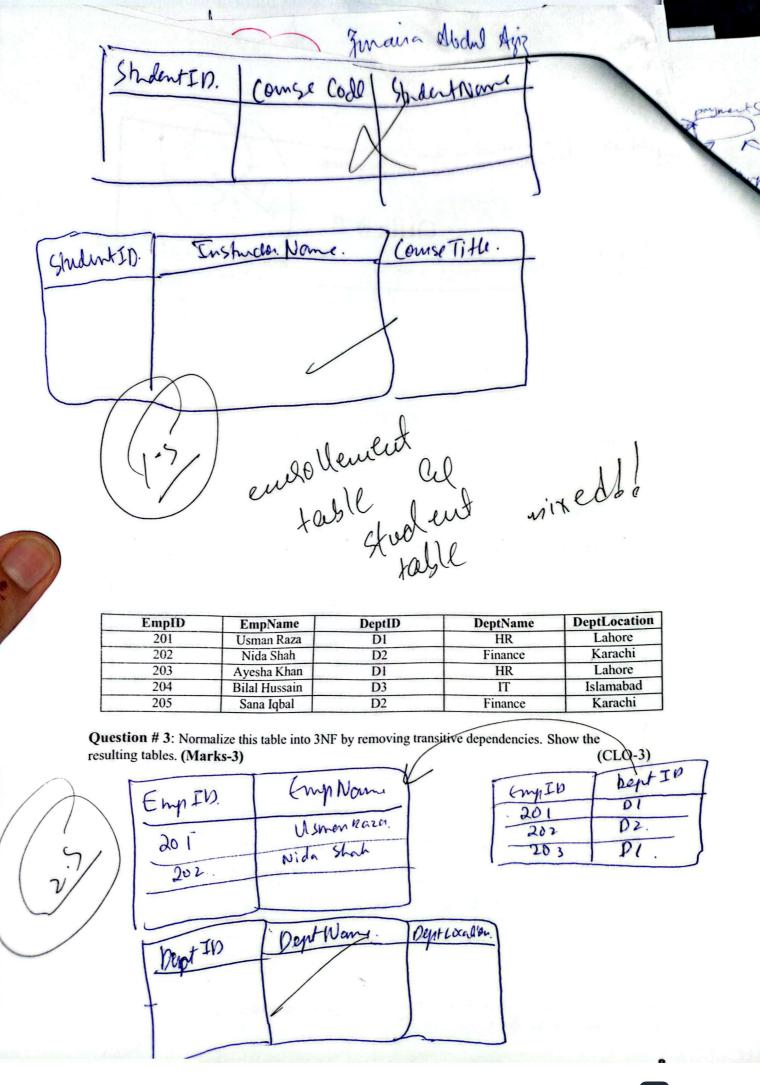
Question # 1: Convert this table into INF. Show the new structure where repeating groups are (CLO-3) removed. (Marks-3)

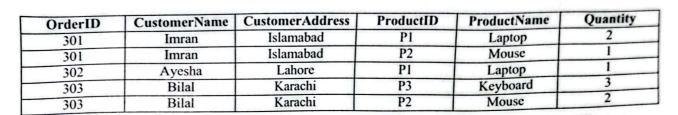
Shelent ID.	Student Name.	Louises.	Instructor.
101	Hi khan.	DBMS	My Ahmed.
101	Alikhan	00P	Ms Sana.
	Sarakemalia	(OOP)	Ms Sang.
102.		nsA	My Bilal.
102	Sona Malik		Mr Ahmed
103.	Ahmed Kaza	DBMS	Dr Hina
103	Ahmed Kaza	AI.	
104	Zainab fabina	DSA	MV Bilal
104	Zovival Falina	AI.	Dr Hine

StudentID	CourseCode	StudentName	InstructorName	CourseTitle
	DB101	Ali Khan	Mr. Ahmed	DBMS
101		Ali Khan	Ms. Sana	OOP
101	OOP102	Sara Malik	Ms. Sana	OOP
102	OOP102	Sara Malik	Mr. Bilal	DSA
102	DSA103		Mr. Ahmed	DBMS
103	DB101	Ahmed Raza	The state of the s	AI
103	AI104	Ahmed Raza	Dr. Hina	AI

Question # 2: Normalize this table into 2NF by removing partial dependencies. Show the decomposed tables. (Marks-3)

(CLO-3)





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Question # 4: (Marks-3)

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a) Identify which normal form the given table currently satisfies INE

b) Normalize it into 3NF. Provide the decomposed tables.

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