North East University Bangladesh

Department of Computer Science and Engineering Mid Semester Examination Fall 2021

Program: B.Sc. (Eng.) in CSE

Course: CSE 313 (Database System)

Mark	: 30	(Satabase System)	
		(Answer any 3 from the following questions) Time: 1 Hr 30 m	ins
		· · · · · · · · · · · · · · · · · · ·	
1.	a)	List the advantages of DBMS? Define instances and schemas of database?	
	b)		3
	c)	Explain three level architecture in DBMS.	4
2	- 1		3
2.	a) .	Write short note on Entity-Relationship data model.	
	b)	Fillially key and foreign key Evaluin - f	3
	c)	Explain Natural Join with Example.	4
3.	\A/mia		3
٥.	VVIILE	SQL statements for following relations:	
		Student (std id, name course id amount and	5x2
	- i)	The state of the s	
	ii)	a coldilli city in stildent table	
	iii)	Find out list of students who have opposited to #	
	iv)		
	v)	" " Und fidme of all students start with " "	
	٠,	and centro. of an computer science students.	
4.	a)	Consider the following employee database	
		underlined: database, where the primary keys are	
		employee (employee name, street, city)	
		Works (employee name, company name, and	
	- 101	company name city)	
		manages (employee name manager name)	
		Give all expression in SQL for each of the following and	
		i) Find the names and cities of all amplements:	3
		i) Find the names and cities of all employees who work for "First Bank Corporation".	, 3
			3
		, and cities of all	J
		for "First Bank Corporation" and earn more than 50,000 BDT	
	b)	Illustrate redundancy and the problems that it can cause?	4
	-	and the problems that it can cause?	

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