University of Asia Pacific aniwoll of addressing

Department of Computer Science & Engineering

Mid-Semester Examination Fall -2019

Program: B. Sc. Engineering (2nd Year/2nd Semester)

Course Title: Database Systems Course No. CSE 211

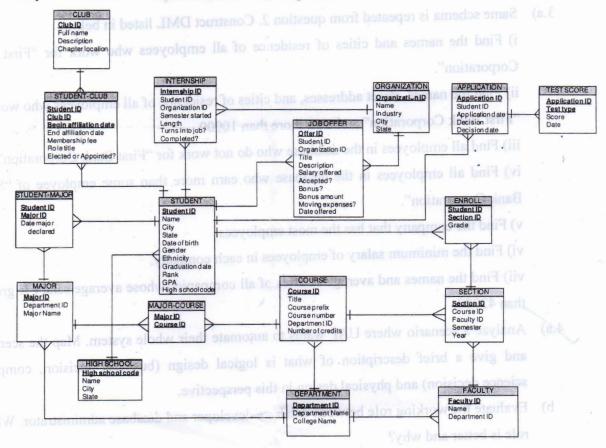
Credit: 3.00

Time: 1.00 Hours. Construct the DDL for adding a new column "country" in employee and

Full Mark: 60

There are Four Questions. Answer questions 1, 4 and (2 or 3). Figures in the right margin indicate marks.

- Define Integrity Constraint. Explain Super key, Candidate key, Primary and Foreign key iv) Construct a SQL to select all tuples from company table .slqmaxa na diw
 - Analyze a scenario where you have already created the tables in below. Now you want to 10 drop all the tables. Write DDL in a correct sequence. world of 102 a fourtened (v



2.	Consider the following schema: SIRA to viterovinu	9
	employee (person id, street, city) amo To membrage (-
	works (person id, person name, company name, salary)	'L :
	company (company name, city)	va,
a)	Construct the DDL for creating the above mentioned tables in question with proper	1
	integrity constraints	
b)	FULL DATE OF	10
	There are Four Questions. Answer questions 1, 4 and (2 or 3), Figure 1, sldst	
	ii) Construct a SQL to insert information of 2 persons into works table.	
	iii) Construct a SQL to drop the salary attribute from works table.	
	iv) Construct a SQL to select all tuples from company table where city attribute starts	
vam. fr	b) Analyze a scenario where you have already created the tables in bow. 'sa' thiw	
	v) Construct a SQL to Show all 'person_id' of Dhaka city.	
3.a)	Same schema is repeated from question 2. Construct DML listed in below.	20
	i) Find the names and cities of residence of all employees who work for "First Bank	
	Corporation".	
	ii) Find the names, street addresses, and cities of residence of all employees who work for	
	"First Bank Corporation" and earn more than 10000.	
	iii) Find all employees in the database who do not work for "First Bank Corporation".	
	iv) Find all employees in the database who earn more than some employee of "Small	
	Bank Corporation".	
	v) Find the company that has the most employees.	
	vi) Find the minimum salary of employees in each company.	
	vii) Find the names and average salaries of all companies whose average salary is greater	
	than 42000.	
4.a)	Analyze a scenario where UAP wants to automate their whole system. Map the scenario	12
	and give a brief description of what is logical design (business decision, computer	
	science decision) and physical design in this perspective.	
b)	Evaluate the working role between database developer and database administrator. Which	8
	role is botton and why?	