(c)	Represent each of the following Structured Query Language statements using a Venn diagram:					
	(i)	SELECT * FROM Table_A A FULL OUTER JOIN Table_B B ON A.Key = B.Key WHERE A.Key IS NULL OR B.Key IS NULL	(3 marks)			
-,-						
						
			<u> </u>			
						
	(ii)		(3 marks)			
		FROM Table_A A RIGHT JOIN Table B B				
		ON A.Key = B.Key				
		WHERE A.Key IS NULL				
			···			
	•					
	Z****		(2 1-)			
	(iii)	SELECT * FROM Table A A	(3 marks)			
		FULL OUTER JOIN Table_B B				
		ON A.Key = B.Key				
	<u>-</u>					
<u></u>						

		_				(2 ma
	(i)	top down;				(2 m
	(ii)	bottom up.				(2 m
	Weite	e a Structured Quer	v I angu	age statement tha	t would:	
(b)	(i)		aracters	of the field first_	name from a table named	l employ (2 m
				· · · · · · · · · · · · · · · · · · ·		
	(ii)	display names tl	nat begin	with letters in the employee table		om the
	(ii)	display names the first name field	nat begin	with letters in the	e range of D through G fr	om the (3 n
	(iii)	display names the first _name field	amed em	with letters in the employee table:	e range of D through G fr	om the (3 m
		display names the first _name field create a table in Fieldname	nat begin	with letters in the	the following properties;	om the (3 m
		create a table n Fieldname Employee id	amed em	with letters in the employee table: aployeedata with Data type	the following properties; Other properties Primary key Not accept blank	om the (3 m
		create a table note that the control of the control	amed em	with letters in the employee table: aployeedata with Data type decimal	the following properties; Other properties Primary key Not accept blank Not accept blank	om the (3 m
		create a table n Fieldname Employee id	amed em	with letters in the employee table: sployeedata with Data type decimal date	the following properties; Other properties Primary key Not accept blank	om the (3 n
		create a table note that the create a table of the create at table of	amed em	with letters in the employee table: aployeedata with Data type decimal date Var Char	the following properties; Other properties Primary key Not accept blank Not accept blank	om the (3 m
		create a table note that the create a table of the create at table of	amed em	with letters in the employee table: aployeedata with Data type decimal date Var Char	the following properties; Other properties Primary key Not accept blank Not accept blank	om the (3 m

	(iv)	change the email and commission field values of employees table wavailable' and 0.10 respectively for those employees whose departments 150;	ith 'not ent_id is (3 marks
<u>.</u>	(v)	add a field named region_id after start_date to the table employeedat	a table. (3 marks
(a)	Outli databa	ne four types of states that a transaction may be in during processing in asse management system.	in a (4 marks
(b)	Distin	guish between direct and indirect end users as used in DBMS.	(4 marks

(c)	Aristo manag faced.	crafty, encountered some challenges when they introduced a distributed database sement system. Explain three technical challenges that the company may have (6 marks)				
(d)	Write equivalent relational algebra statements for each of the following Structured Query Language statements; (6 marks					
	(i)	SELECT ActionTitle FROM Stars, Actionmovie WHERE starName = Andrew AND birthdate = 1956				
	(ii)	Select a,b From table 1,table2 Where d>e and f=g;				
						

(a)	Outli	ne four functions of views as used in Structured Query Language.	(4 m
(b)	Unde algeb (i)	r what circumstance would each of the following joins be used in rela ra; left join;	tional (2 m
	(ii)	equi join;	(2 m
	(iii)	cross join.	(2 m

(iii) Select sum(salary)

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(c)	Distinguish between data manipulation language and transaction control language used in Structured Query Language.	age as 4 marks)
		
,		
(d)	Mwanziri intends to design an Entity Relationship Diagram for a proposed dat system. Outline six procedures guidelines that will enable him meet his objecti	rabase ve. (6 marks)
		. <u></u> .
		
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