Question 1:

Select the correct answer for the following questions:

Question #	1	2	3	4	5	6	7	8
Answer	E	p	C	d	6	2	4	4

1.			is an attribut	e er set of	ettributes	within :	one re	lation	that is	the
	can	didate key of	enother relation	en.						
	2)	Primary key								
	b)	Super key								
	10	Forging key								

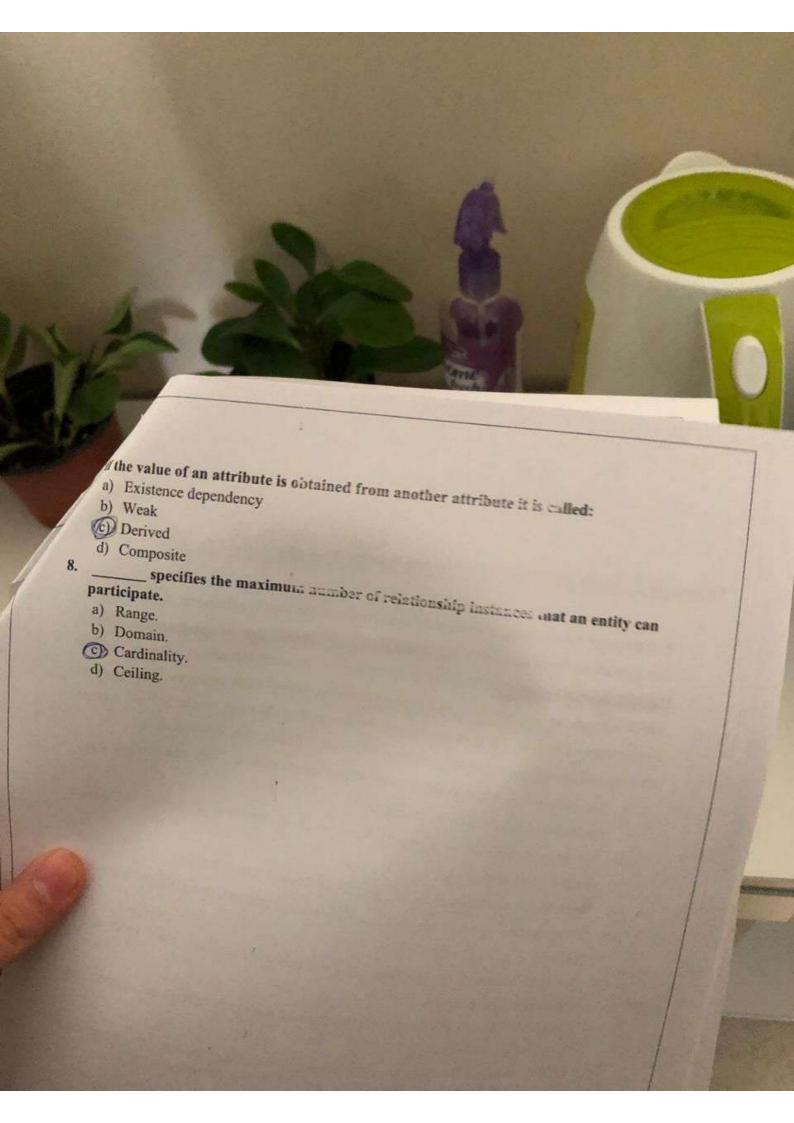
- d) Secondary key is the current set of association instances represented in the database.
 - a) Relationship
 - Relationship set
 - c) Relation
 - d) State
 - 3. A weak entity must participate in _ relationship type.
 - a) Strong
 - b) Ternary
 - @ Identifying
 - d) Binary
 - 4. Which constraint/s may INSERT operation violate?
 - a) Domain constraint
 - b) Key constraint
 - c) Referential integrity
 - (d) All the above

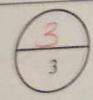
3-2 tuples was 5 som 2 mg 2

R A1 A2 A3

5. In the formal definition of the relational model, given R (A1, A2, A3):

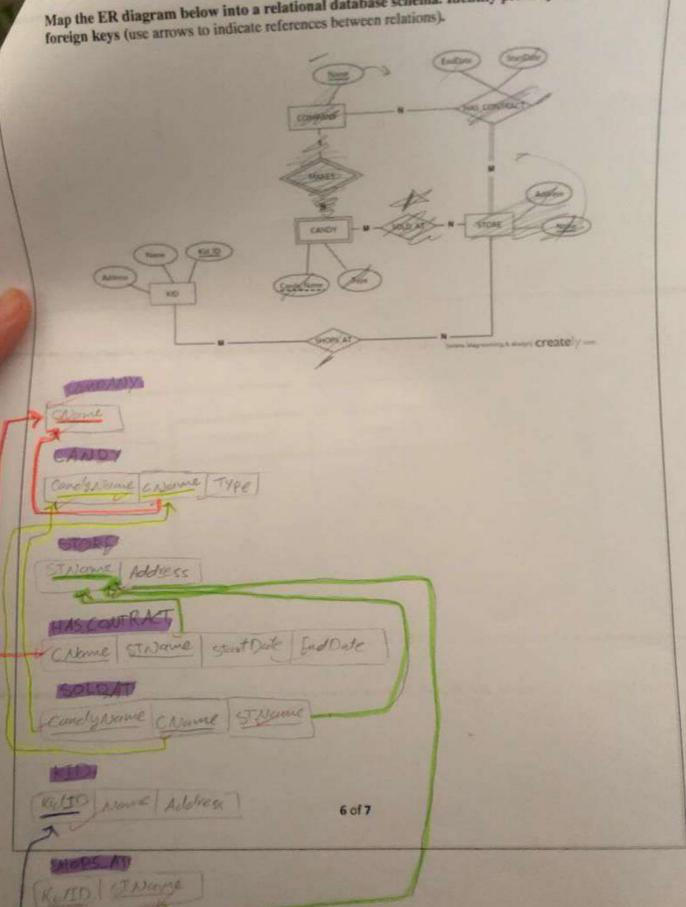
- a) r(R) can have three 2 timber
- (b) r(R) can have two 3-tuple
- c) r(R) must be three 2 tuple
- d) r(R) must be two 3-tuple
- 6. A primary key of a relation can be:
- a) A super key for that relation
 - b) A candidate key for that relation
 - e) A foreign key for another relation
 - All the above





Question 3: ER to Relational Model Mapping

Map the ER diagram below into a relational database schema. Identify primary and



6.	which constraint/s may insert operation violate? a) Domain constraint	
	b) Key constraint	
	c) Referential:	
	c) Referential integrity d) All of the above	
7.	The relational model represents the database as a collection of	
	a) files	
	b) relations	
	c) applications	
	d) systems	
8.	When the value of an attribute A is obtained from the value of an attribute B, then attribute A is called	
	attribute A is called	the
	a) composite	
	b) derived	
	c) stored	
	d) retrieved	

Mily



Question 1:

Select the correct answer for the following questions:

Question #	1	2	3	4	5	6	7	8
Answer	a	, c	2	d	d	d	b	b

1. A foreign key is

- a) a key that references a primary key in other relation.
- b) a key that cannot be null.
- c) a key that uniquely identifies different tuples.
- d) all of the above.
- 2. A property or characteristic of an entity type that is of interest to the organization is called a(n):
 - a) relationship.
 - b) coexisting entity.
 - c) attribute.
 - d) cross-function.
- 3. An entity type whose existence depends on another entity type is called a(n) ______ entity.
 - a) weak
 - b) codependent
 - c) identifying
 - d) strong
- 4. An attribute that can be broken down into smaller parts is called a(n) attribute.
 - a) simple
 - b) associative
 - c) complex
 - d) composite
- constraint specifies that no two distinct tuples in any state of relational schema can have same values for superkeys.
 - a) Entity-integrity
 - b) Domain
 - c) Referential-integrity
 - d) Key