(Q2) A)

i) Participation constraints

Specify whether the existence of an entity depends on its being related to another entity via the relationship type

- i) Total participation Each entity is involved in the relationship. It is represented by double lines.
- in the relationship. Partial participation is represented by single lines.

Entity Relationship Entity

ii) Integrity Constrains

to be a valid relation.

- i.) Domain Integrity
- ii) Entity Integrity
- iii) Referntial Integrity

Domain integrity means the definition of a valid set of values for an attributeles | moitosol small?

Entity integrity, state that primary keys can't be hull.

Referential Integrity is works on the concept of foreign keys.

A foreign key attribute of a relation that can be refered in other relation.

Date: ___/__/_ INF - FFD H B.) F G D E 12WF 1 - 1910 3911 390019 14 B 2NF - PD - If a primary attribute D is there it should be MANN - a 1 2NF/ (PO) 101-159 G 246 4 Kover. key attribute. - No primary 3 NF - TD phoses | 2 3106552019 0.1-1519 9000 - DOIT Ambarinson- side! 1274 (0100) 1140 trait tops saimaks Azara - Hita 737 17282 100000 1,100 york - Hairy 61-131 a machel and in the mil 1-165 4101 FT 10M my die and a appe 1 miles Later States L drin 1 1 1 1 1 1 1 1 1 1 inches by Atles

c) pets [pet-id , pet-name , pet-type , pet-age]

procedures [proc-no proc _ name]

owner [owner, visit-date, pet-id]

Pets

Pet-id Pet-name		pet-type	pet-age	
246	Rover	D 09	12	
341	Jerry	Cat Cat	77-442	
519	Tweddy	Bird	2	

Procedures

Proc-no	Proc-name	
01	rabies vaccination	
05	heart worm test	
10	examine and treat	
12	eye wash	
20	annual check up	

Owner

OWNET		
Owner	Visit-date	Pet-id
Sam	Jan 13/2014	246
Sam	Jan 23/2014	341
Cook	Mar 27/2014	246
Cook	Jan 13/2015	341
Cook	Apr 02/2015	246
Terry	Apr 30/2014	519
Tweedday		
Kim	Apr 30/2015	519
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