

National Institute of Technology Calicut
Department of Computer Science and Engineering
CS3095D DBMS Lab

Mid Term Test-1

Time : 60 minutes

Date: 14.09.2021

Marks : 08

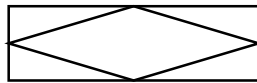
Set	:	A
Topic	:	ER diagram and ER mapping

Questions

PART-A

(0.5 x 2 = 1 mark)

1. ----- use a defined set of symbols/shapes and connecting lines to represent the interconnectedness of entities, relationships and their attributes.
2. The below symbol represents ---- in ERD.



PART-B

(1 x 4 = 4 marks)

1. --- is represented by a rectangle divided into two parts. Explain.
2. Among driving_licence_number, aadhar_number, house_number, PAN_number; which one cannot be a primary key? Justify your choice.
3. What is a descriptive attribute? Explain with example.
4. An ER model of a database consists of entity types Employee and Department. These are connected by a relationship Manages which does not have its own attribute. Under what conditions can the relational table for Manages be merged with that of Employee?

PART-C

(1.5 x 2 = 3 marks)

1. For a weak entity set to be meaningful, it must be associated with another entity set. What is that entity set called? Justify your answer.
2. Explain participation constraints with a real-life example.

***** All the best *****