



Bahria University
Discovering Knowledge

Database Management Systems

BSCS-4

Department of Computer Science
Bahria University, Lahore Campus

Quiz: 2

Date: Week 8, 7th November 2023

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Evaluation of CLO	Question Number	Marks	Obtained Marks
CLO: Apply different database model to design conceptual, logical or physical database.			
Total Marks		10	

Question 1:

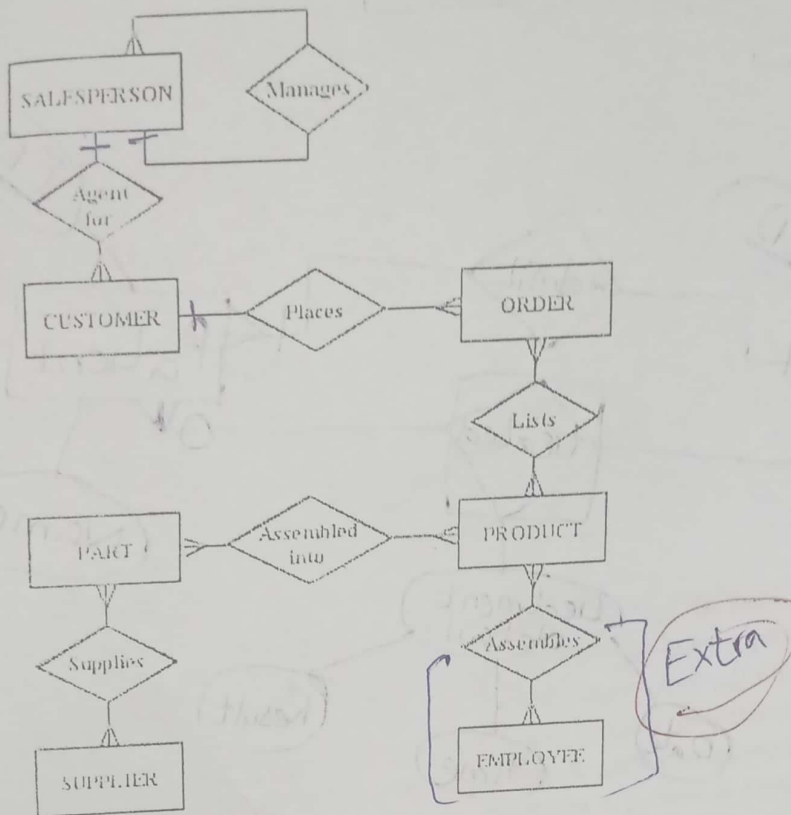
A hospital has a large number of registered physicians. Attributes of PHYSICIAN include Physician ID (identifier) and Specialty. Patients are admitted to the hospital by physicians. Attributes of PATIENT include Patient_ID (identifier) and Patient_Name. Any admitted must have exactly one admitting physician. A physician may admit any number of patients. Once admitted, a given patient must be treated by at least one physician. A particular physician may treat any number of patients or may not treat any patients. Whenever a patient is treated by a physician, the hospital records the details of the treatment (Treatment_Detail). Components of Treatment_Detail include Date, Time, and Results.

Question 2:

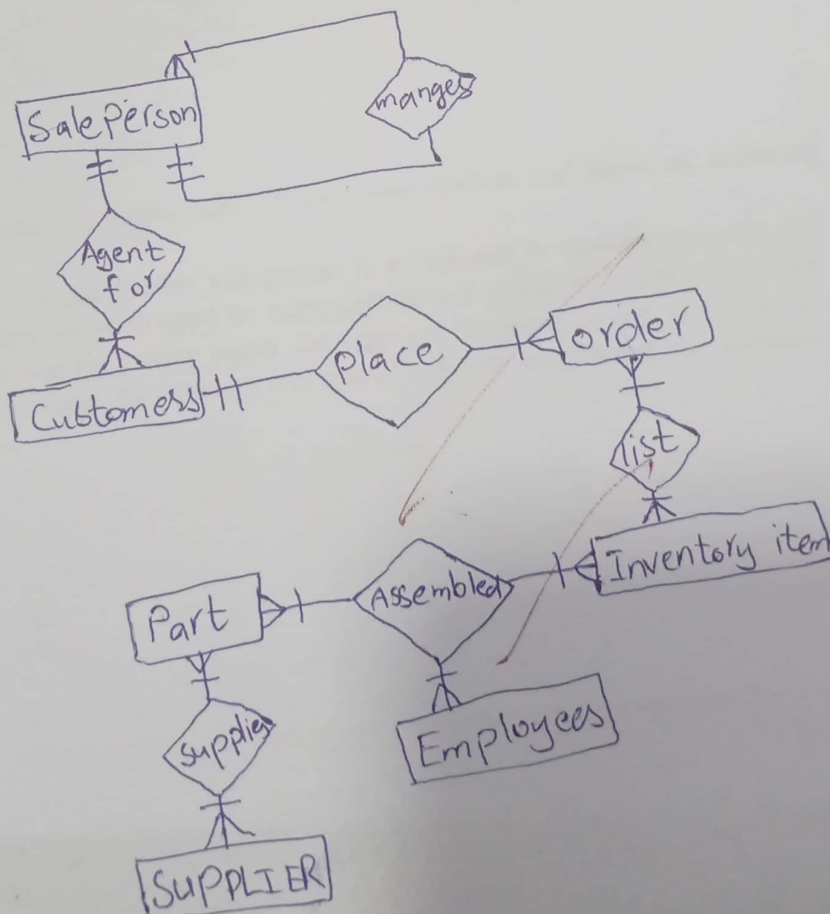
Re-draw below ERD using Lucidchart.com's Crow's foot notation and based on following business rules.

A salesperson may manage many other salespeople. A salesperson is managed by only one salespeople. A salesperson can be an agent for many customers. A customer is managed by one salespeople. A customer can place many orders. An order can be placed by one customer. An order lists many inventory items. An inventory item may be listed on many orders. An inventory

item is assembled from many parts. A part may be assembled into many inventory items. Many employees assemble an inventory item from many parts. A supplier supplies many parts. A part may be supplied by many suppliers.



Q#2



Q#1

