



Parshvanath Charitable Trust's

Code No.

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ON BEHALF OF UNIVERSITY OF MUMBAI



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Examination UT-1 Branch COMPUTER Semester IV

Subject Database Management System (DBMS)

Supplement No. _____ Date 21/02/24

Question No.	1	2	3	4	5	6	7	8	Total	Examiner Signature
Marks Awarded by Examiner										

	a	b	c	d	e	Total		a	b	c	d	e	Total
Q.1							Q.4						
Q.2							Q.5						
Q.3							Q.6						

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QUESTION NO.

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(Begin answer for each question on a new page)

Q.1

→

A Data Abstraction refers to hiding the complex implementation of Data base.

B)

→

Database Administration (DBA) a who is specialized in IT professional and responsible for installation, configuration and security for database management system. And DBA has control on central and both data program access. DBA create database schema provide access to users and maintain backup.

The role of DBA.

- ① Database Installation and Configuration.
- ② Database Design and Schema management.
- ③ Data Security and Access control.
- ④ Backup recovery.
- ⑤ Performance Monitoring.

C)

→

Data Independence in DBMS is refer to to capacity of change the Schema (Structure) of database without affecting the application program or user view that access the data. It is a fundamental concept that simplifies database management and enhances flexibility.

D)

→

DBMS are software system used to store, retrieve and run queries on data. A DBMS serves as an interface between end users and a database allowing used to create data in database.

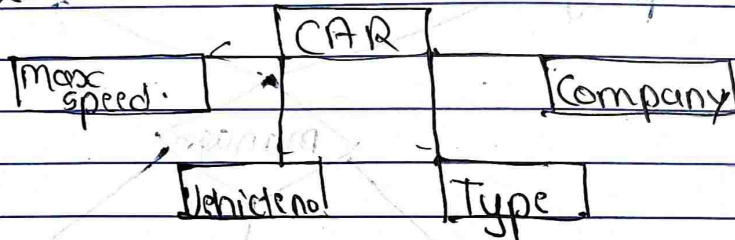
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Q.2]

A) i) Generalization:-

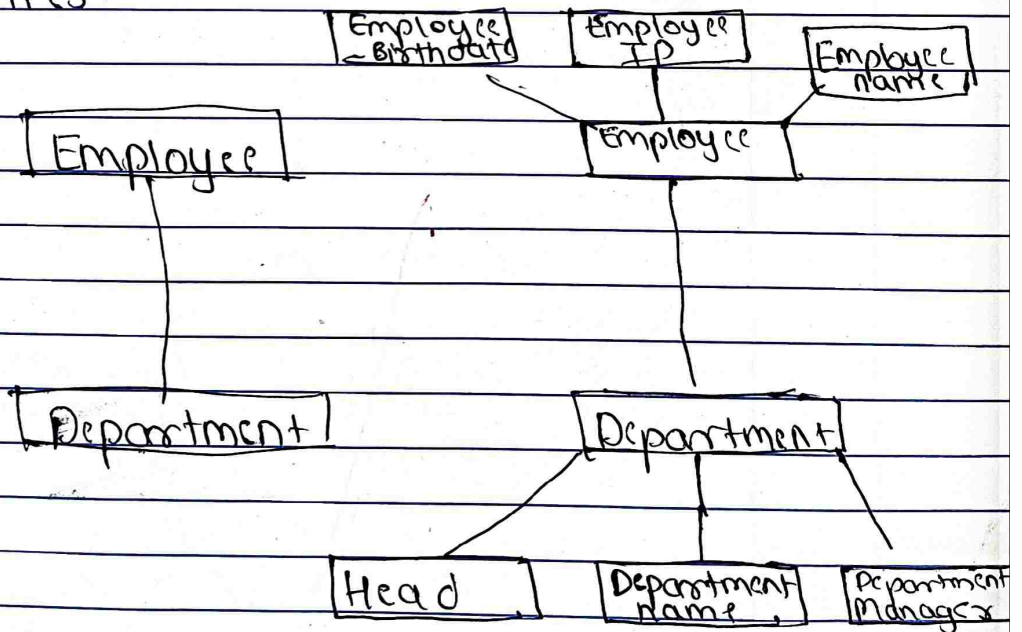
The Generalization entities, where the process of General entities start is known as Generalization.

Each



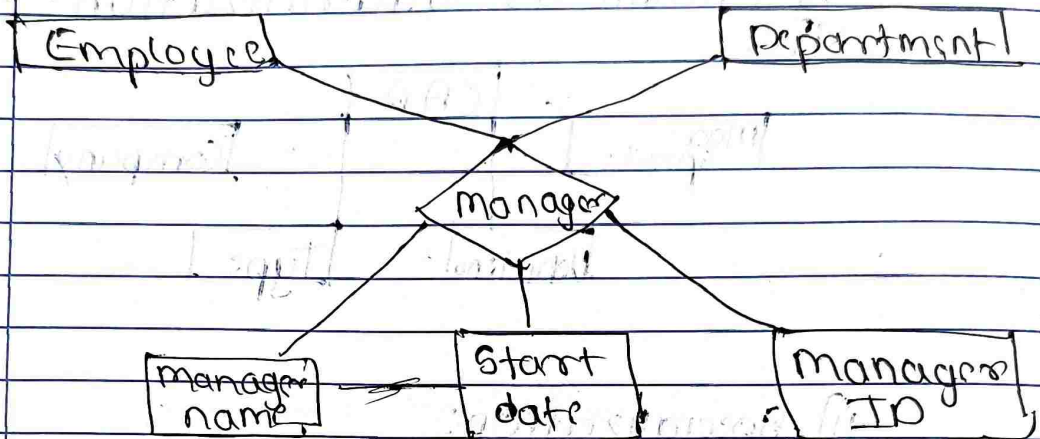
ii) Specialization:-

In the Specialization process is start top down approach, and its completely opposite to Specialization. In Specialization the top entities are can be broken down in lower level entities.

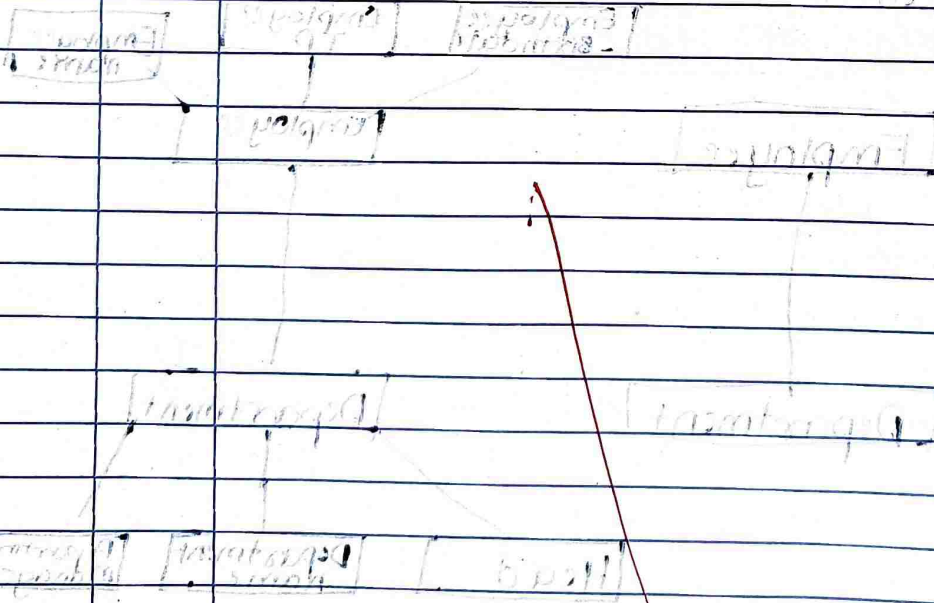


iii) Aggregation:-

In Aggregation, the two related entities are combined to one entity is known Aggregation.



iv) Union:-



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Q2]

B) ERR Diagram

