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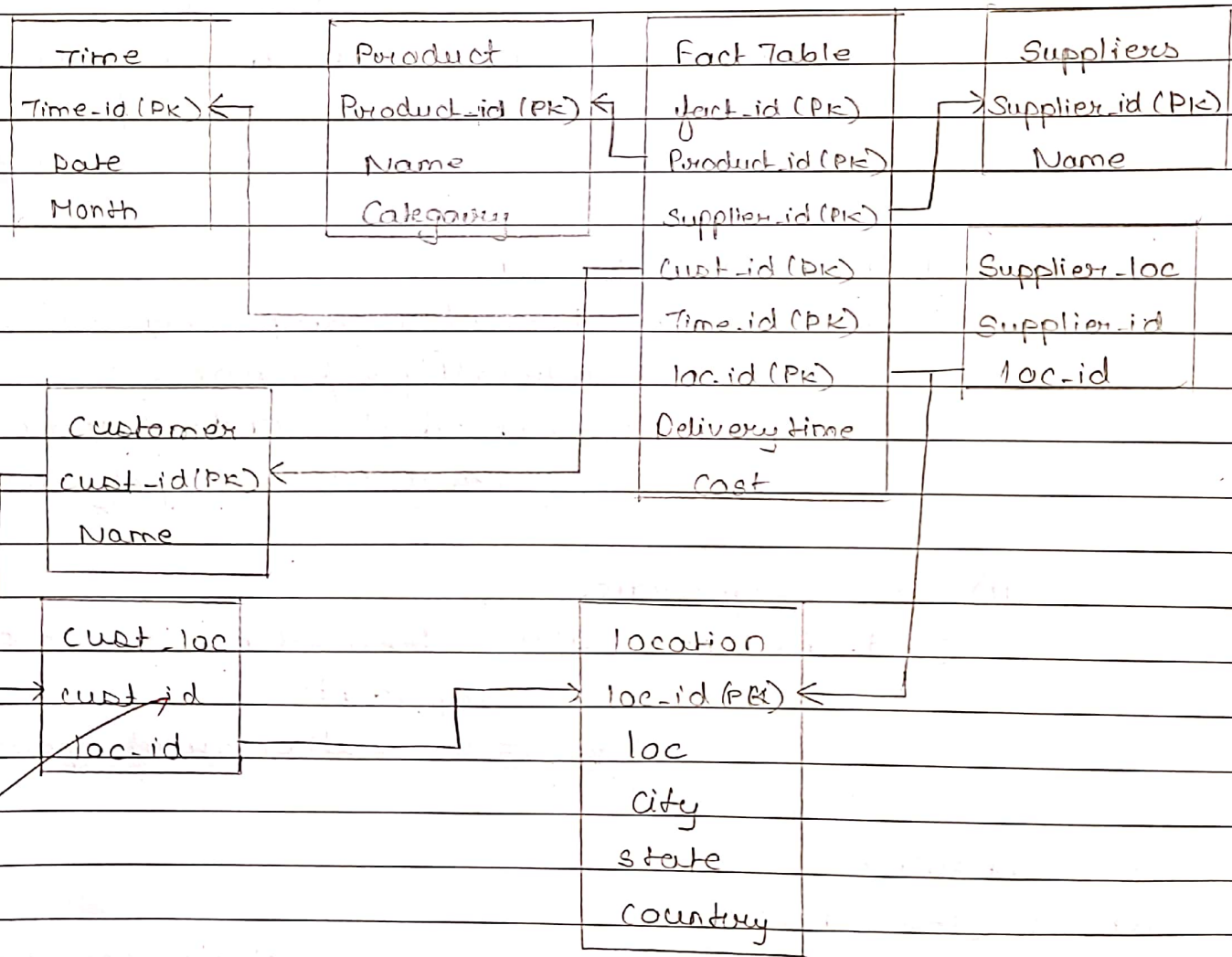
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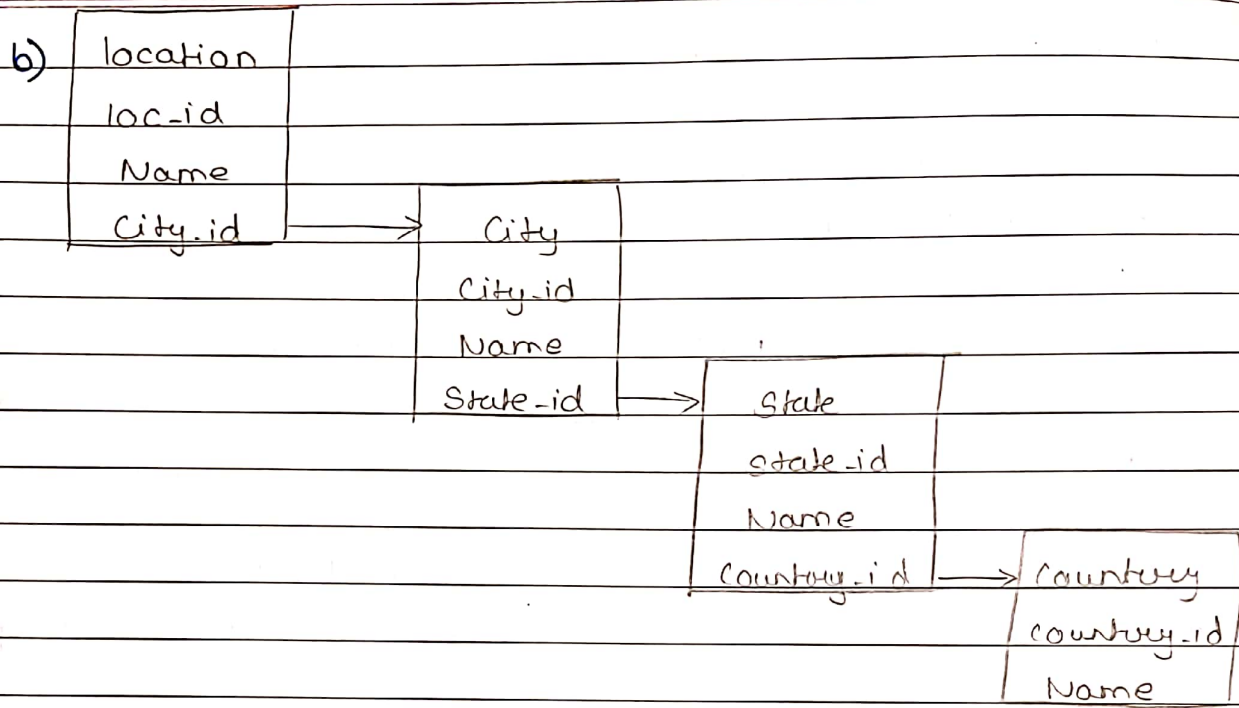
Panel-C, Batch-C2

Roll No: PC-44

### DEC Theory Assignment

Q1) Answer





c) i) Delivery time: Holistic

Justification - Provides comprehensive view of overall performance  
Essential for understanding efficiency across supply chain.

ii) Cost: Algebraic

Justification - Allows detailed breakdown of cost components  
Consists of mathematical operations.

Q7) Answer

Ans i) Star Schema -

Fact table contains real time vehicle location measures

Dimensions contains time, vehicle, type route, & traffic conditions

This schema enables fast queries & aggregations for real time analysis.

## ii) Concept Hierarchies:

Hierarchical organization of vehicle types, Routes & traffic conditions

This structure facilitates drill down analysis  
Enables quick identification of traffic patterns & optimization opportunities at different hierarchy levels.

Q9) Answer :

