

Database Systems.

(Q.1)

Ans

(1)

• Candidate Keys:-

In the given table, ID, name and cell are candidate keys.

Ans

(2)

• Data Redundancy:-

Data redundancy is the repetition or superfluity of data.

• Data Integrity:-

Data integrity refers to the accuracy and consistency of data stored in a database, data warehouse, data mart or other constructs.

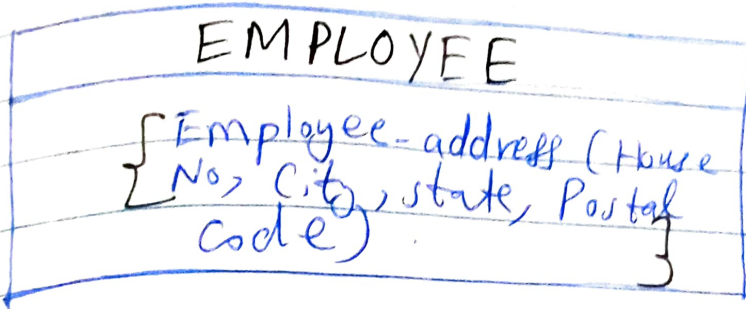
(2)

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Ans
(3)

• Multivalued Composite Attribute in a Conceptual Model:-



Multivalued Composite Attribute

Ans
(4)

• Reduced Maintenance:-

Maintenance in data base have little or no effect on the database application, thus reducing the maintenance costs.

Ans
(5)

• ER Diagram:-

Mandatory one:-

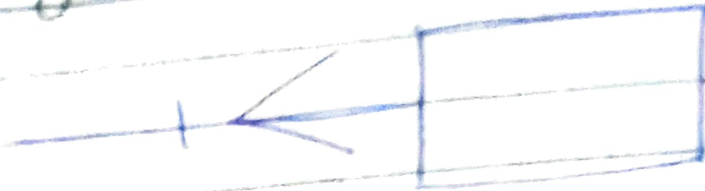


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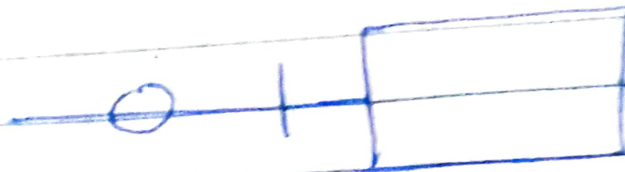
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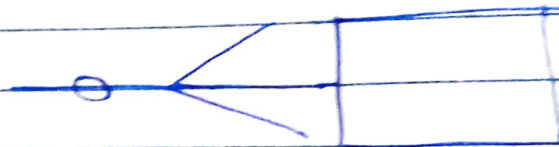
• Mandatory Many:-



• Optional One:-



• Optional Many:-



Ans
(6)

• Need of Backup:-

Because for a centralized shared database to be accurate and available all times. Comprehensive procedure is required to be developed and used for providing backup copies of data and for restoring a database when damage occurs.

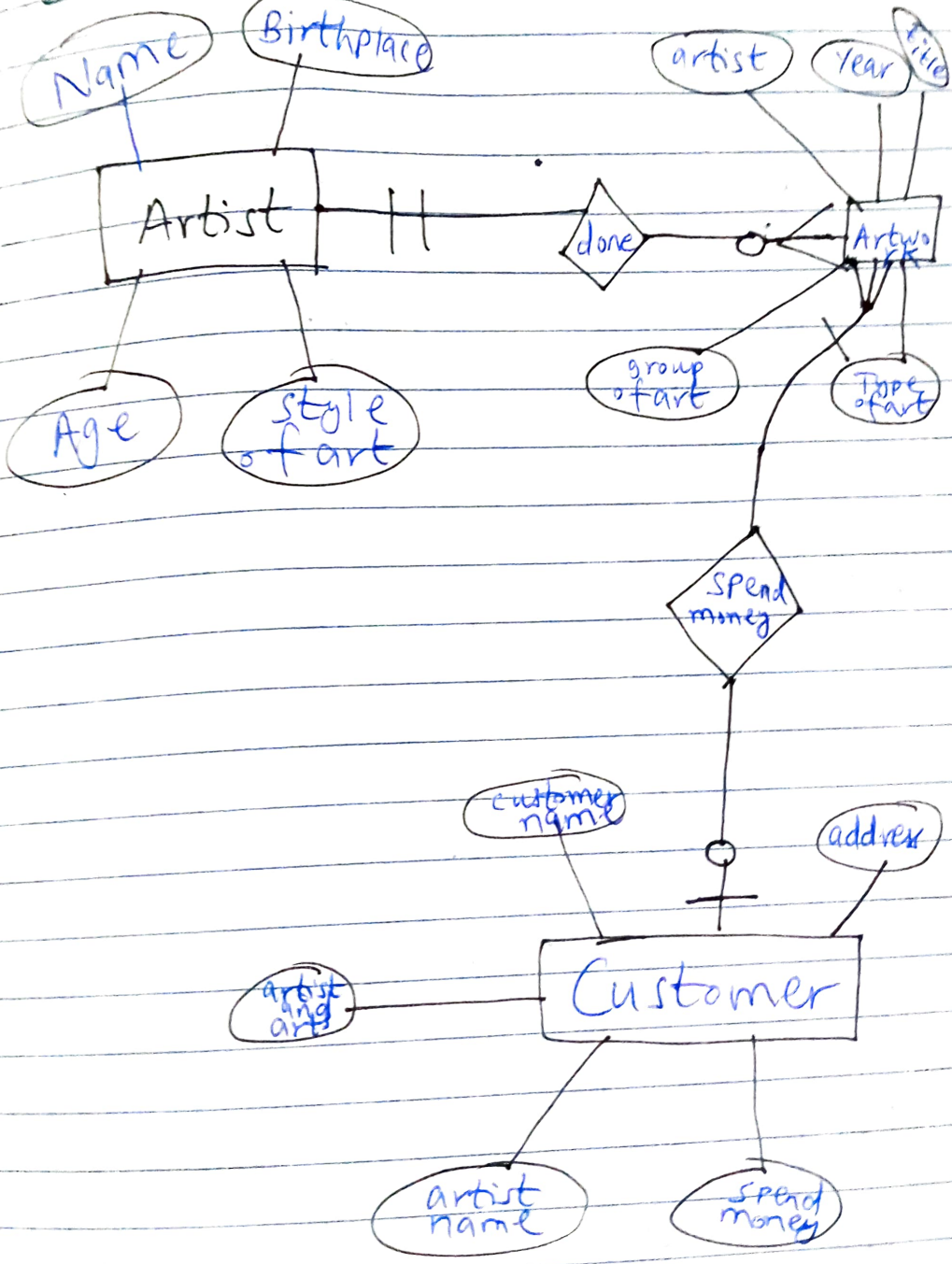
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(Q.2)
(Ans)

ERD Diagram:-



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(Q.3) (Answer)

