

Name :	<u>Muhammad Musa</u>
Department	: <u>BS(CS)</u>
Semester :	<u>4th</u>
ID # :	<u>15366</u>
Assignment	: Mid Term Assignment
Subject :	Database System (Theory)
Submitted To	: <u>Ma'am Rimsha Khan</u>
Dated :	<u>26th April 2020</u>

1 Muhammad Musa, ID# 15366, Maiam Rimsha Khan Database Systems @1: Ans.(1) Candidate Keys:--table. candidate to the given ID, Name and cell Keys Ans: (2) Data Redundancy: the repetition or superfluity of 05 Data Integrity: Data integrity refers to the accuracy and consistency 0 data stored in a database, data waschisuse, data most as other construct Ans: 3) Multivalued Composite Attribute in. Conceptual Model: EMPLOYEE { Employee_address (House No, City, State, Postal_code)} Mutivalued Composite Attribute

Mutammad Muse, ID # 15366 Ans.(4) Reduced Maintenance: have little or no effect on the database application, thus reducing the maintenance costs. Ars: 15) ER Diagram: Mandatory one: 11 Mandatory Many: Optional One-0 Optional Many: 0 Ansib Need of Backup -Because for a contralized shared database to be accurate and (available all times, comprehensive procedure is required to be developed and used for providing backup copies

2020 Muhammad Musa, ID # 15366 of data and for restoring a database when damage deves Q2 ERD Diagram. An artist (Year (title (Birth place) Name ARTWORK Artist ype of of ast grang age Spend customet name Q (address CUSTOMER artist spend name

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