**PSG College of Technology - Coimbatore**

**Department of Computer Applications**

**I MCA – Relational Database Management System – Hands on Session 2**

**Issue Date: 20/10/2022 Submission Date: 21/10/2022**

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| Table - I ( CLIENT\_MASTER ) |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Data for Client\_Master** | | | | | | **Client\_No** | **Name** | **City** | **Pincode** | **Bal\_due** | | C00001 | SMITHA JAIN | Mumbai | 400054 | 15000 | | C00002 | VANDANA  RAO | Chennai | 780001 | 0 | | C00003 | PREM PUJARI | Mumbai | 400057 | 5000 | | C00004 | BASU NATH | Mumbai | 400056 | 0 | | C00005 | RAVI SHANKAR | Delhi | 100001 | 2000 | | C00006 | ROOPA | Mumbai | 400050 | 0 | |

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| Table - II ( SALE\_ORDER ) |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Data for Sale\_Order** | | | | | | | **Order\_No** | **Order\_Date** | **Client\_No** | **Salesman** | **Dely\_Date** | **Order\_Status** | | O19001 | 12-Jan-13 | C00001 | S00001 | 20-Jan-13 | In process | | O19002 | 25-Jan-13 | C00002 | S00002 | 27-Jan-13 | Cancelled | | O46865 | 18-Feb-13 | C00003 | S00003 | 20-Feb-13 | Fulfilled | | O19003 | 03-Apr-13 | C00001 | S00001 | 07-Apr-13 | Fulfilled | | O46866 | 20-May-13 | C00004 | S00002 | 07-Apr-13 | Cancelled | | O19008 | 24-May-13 | C00005 | S00004 | 26-May-13 | In process | |

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| **Write SQL commands for the following:** | |
| **1** 2  3 | **List all details from the client\_master table for clients whose Bal\_due = 0.**  **List all details from the client\_master table for clients whose Bal\_due higher than 5000.**  **List all details from the client\_master table for clients whose Bal\_due between 5000 and 20000.** |
| 4  5  6 | **Display all clients who are coming from city starts with ‘C’ and ‘D’**  **Display all clients whose pincode end with 1.**  **Update table client\_master, Change city of Client\_no C00004 to Jaipur.** |
| **7 8.** | **Fetch the clients records whose order status is in cancelled  Retrieve records of clients residing in Mumbai.** |
| **9** | **Find the name and address of customer who has placed Order\_no 'O19003' and 'O19002' respectively.** |
| 10 | **Construct English like sentence from the table client\_master ({Customer name} live in the city of {city}).** |
| 11 | **List the client\_no, name, city and pincode of clients whose Order\_status is "In process".** |