# **MySQL FINAL TEST ( 50M) Duration : 1HR**

#### **Part 1: Database Creation & Table Management**

#### **Create a database named FinalTest.**

1. Create three tables in the FinalTest database:
   * Customers: Include fields for customerId, customerName, Age, city, oId, and pId.
   * Orders: Include fields for orderNumber, orderDate, and status.
   * Product: Include fields for productId, productName, and productPrice.  
     (Make sure productId, orderNumber, and customerId are primary keys. Also, define oId and pId as foreign keys.)
2. Insert the following records into the appropriate tables:

### **Data Insertion**

Table : **Customers**

| **customerId** | **customerName** | **Age** | **city** | **oId** | **pId** |
| --- | --- | --- | --- | --- | --- |
| 1 | Ramesh | 18 | Pune | 111 | 1 |
| 2 | Jayesh | 15 | Solapur | 555 | 4 |
| 3 | Shreya | 45 | Pune | 222 | 1 |
| 4 | Rani | 23 | Nagpur | 444 | 3 |
| 5 | Aishwarya | 23 | Bangalore | 111 | 2 |
| 6 | Shruti | 30 | Mumbai | 222 | 5 |
| 7 | Tushar | 50 | Delhi | 111 | 1 |
| 8 | Aryan | 10 | Mumbai | 555 | 1 |
| 9 | Akshay | 18 | Nagpur | 222 | 2 |
| 10 | Varun | 25 | Indapur | 444 | 4 |

Table : **Orders**

| **orderNumber** | **orderDate** | **status** |
| --- | --- | --- |
| 111 | 1-3-23 | Yes |
| 222 | 2-3-24 | No |
| 333 | 5-3-23 | Yes |
| 444 | 6-3-24 | Yes |
| 555 | 7-3-24 | No |

Table : **Product**

| **productId** | **productName** | **productPrice** |
| --- | --- | --- |
| 1 | Mobile | 50000 |
| 2 | TV | 30000 |
| 3 | Laptop | 80000 |
| 4 | Scooty | 150000 |
| 5 | AC | 25000 |

### **Specific Queries (35M)**

### **Write SQL queries for the following:**

1. Create the table Product, Order, and Customer and insert the given records in all tables **(5M)**

2. Display the city-wise total count of customers. **(5M)**

3. Display the count of products whose price is greater than 50,000. **(5M)**

4. Display the name of the product with the highest price. **(5M)**

5. Create a view to display the product name purchased by customers with product price. **(5M)**

6. Display the information of customers who live in the same city. **(5M)**

7. Display the Name of Customer who purchased Mobile. **(5M)**

### **PL/SQL Tasks (15M)**

* **Create a stored procedure** to:**(4M)**
  + Display all the tables created in the FinalTest database.
* **Create another stored procedure** to: **(5M)**
  + Display the **NTH highest price** in the Product table.

### **Theory Questions ( 6M )**

* **Stored Procedure vs. Functions** :**(3M)**
  + Explain the **difference** between stored procedures and functions in MySQL.
* **Triggers :(3M)**
  + Define **triggers** and explain their purpose in MySQL.