GLS University, Ahmedabad

Subject Name:

Date: **Time: 2 Hour**

NOTE: Column names must exactly match what is stated in the set.

Add entries in accordance with the query's listed questions below.

The result set from a query shouldn't be returned as an empty set.

Add 10 records or more to each table.

	SET–1	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	CUST_DETAILS (CustomerID, CustomerFirstName, CustomerLastName, CustomerCity, CustomerEmailID, Age, Cust_Gender) **PRODUCT_DETAILS** (Product_ID, Product_Code, Product_Name, Product_Description, ProductQty, ProductCost) **SALES_DETAIL** (Sales_ID, CustomerID, Product_ID, SalesAmount, SalesDate)	
	Constraints: 1.Customer email should be unique. 2.Customer first and last name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Display only those records from CUST_DETAILS where customer name has three characters and first character is 'R' and last character is 'A'.	**05**
Q-3	Display only those sales amount from SALES_DETAIL where sales amount is greater than 10,000 for ProductID = "P009".	**05**
Q-4	Display the Mobile Number of the customers not residing in Pune and Mumbai.	**05**
Q-5	Display the minimum product cost based on product code.	**05**
Q-6	Write a query to display the list of male Customer whose names has second letter 'e'.	**05**
Q-7	Write a query to rename table **PRODUCT_DETAILS** to **PRODUCT_MASTER**.	**05**
Q-8	Write a query to create other table **CUST_MASTERS** from existing **CUST_DETAILS** table with all the fields.	**05**
Q-9	Write a query that returns the current time.	**05**
Q-10	Write a query to add 10 days interval to date "2023-04-21" and then return the date.	**05**
Q-11	Write a query to Subtract 10 days from a today's date and return the date.	**05**
Q-12	Write a query that return the current date.	**05**

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   Add 10 records or more to each table.

	SET–2	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	Publisher_DETAILS (Publisher_ID, Publisher _Name, Publisher _City, Publisher_Pincode, Email) **ORDER** (OrderNo, Order_Date, OrderAmount) **CONTACT_INFO** (C_ID, Phone_number, Publisher_ID)	
	Constraints: 1.Publisher email should be unique. 2. Publisher name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to concate strings: 'hey', 'hello' ,'how', 'are' ,'you'.	**05**
Q-3	Write a query to display the current date and time.	**05**
Q-4	Write a query to update the column size of Order Amount to 20.	**05**
Q-5	Write a query to display Publisher count based on city.	**05**
Q-6	Write a query to display the list of publisher who lives in Pune, Mumbai and Baroda.	**05**
Q-7	Write a query to display highest order amount.	**05**
Q-8	Write a query to rename table ORDER TO ORDER_DETAILS.	**05**
Q-9	Write a query to create other table **customerdetails** from existing **CUSTOMER** table with all the fields.	**05**
Q-10	Write a query to display the list all the publishers name which starts with either A or D. Display first three records.	**05**
Q-11	Create view publisher_contact to display the c id, phone number, publisher name and publisher id. Also, display the records of created view.	**05**
Q-12	Write a query to return the base-10 logarithm of 4.5.	**05**

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      Add 10 records or more to each table.

	SET–3	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	CUST(CustomerID, CustomerName, CustomerCity, CustomerEmail, Age, Cust_Gender) **PRODUCT_DETAILS** (ProductID, ProductCode, ProductName, ProductDescription, ProductQty, ProductCost) **SALES** (SalesID, CustomerID, ProductID, SalesAmount, SalesDate)	
	Constraints: 1.Employee email should be unique. 2.Employee name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to display the maximum SalesAmount based on SalesDate.	**05**
Q-3	Write a query to display only those customer details where customer lives in 'Baroda' , 'Surat, 'Pune or 'rajkot'.[Do not use OR]	**05**
Q-4	Write a query to rename the columns Product_ID, Product_Code and Product_Name for the Product cost other than 2000.	**05**
Q-5	Display only those records from Product details where product name has three characters and middle character is 'A'.	**05**
Q-6	Write a query to display the details of only male customers living in 'Rajkot'.	**05**
Q-7	Write a query to display the product quantity based on product code.	**05**
Q-8	Write a query to add new column product_category to PRODUCT_DETAILS table.	**05**
Q-9	Write a query to display the customer count based on gender.	**05**
Q-10	Write a query to display unique list of product names.	**05**
Q-11	Write a query to return the base-10 logarithm of 2.	**05**
Q-12	Write a query to return the current date.	**05**

GLS University, Ahmedabad

Subject Name:

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Add entries in accordance with the query's listed questions below.

The result set from a query shouldn't be returned as an empty set.

Add 10 records or more to each table.

	SET–4	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	TRANSACTION_DETAILS (TransactionID, AccountNo, TransactionDate, TransactionType, TransactionAmount, BranchID) **BRANCH_DETAILS**(BranchID, BranchCity, TotalBalance) **ACCOUNT_MASTER** (AccountNo, AccountHolderName, A_City, AccountType, AccountBalance)	
	Constraints: 1.Employee email should be unique. 2.Employee name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to add new column AccountHolderGender to table **ACCOUNT_MASTER.**	**05**
Q-3	Write a query to display the account number, account holder name and account type from account master whose account balance is more than 50000.	**05**
Q-4	Write a query to display Names and Balance of the accounts having 'current' account type.	**05**
Q-5	Write a query to display details of the account holder whose name does not start with 'E'.	**05**
Q-6	Write a query to display the details of the male account holder residing in 'Surat', 'Baroda', 'Ahmedabad'. (Do not use OR)	**05**
Q-7	Write a query to display account holder count based on gender.	**05**
Q-8	Write a query to update the city, whose branch id is 1123.	**05**
Q-9	Write a query to create other table **transaction_masterdetails** from existing **TRANSACTION_DETAILS** table with all the fields.	**05**
Q-10	Write a query to Account holder count city wise.	**05**
Q-11	Write a query to return the natural logarithm of 2.	**05**
Q-12	Write a query to return the current time.	**05**

GLS University, Ahmedabad

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      Add 10 records or more to each table.

	SET–5	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	PATIENT (Patient_ID, Patient_Name, Patient_Age, Charges, Patient_Gender) **DOCTOR_DETAILS**(Doct_ID,DoctFName, DoctLName, salary, D_Age,Experience) **CONTACT_INFO**(C_ID,Doct_ID, PhoneNumber)	
	Constraints: 1.Patient name should be unique. 2.Doctor name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to add department and Datofadm columns to existing table patient.	**05**
Q-3	Write a query to update the column size of Doctor's first name to 35.	**05**
Q-4	Write a query to display doctor's name, salary and experience for male doctor only.	**05**
Q-5	Write a query to display the list of female patients with their date of admitted in ascending order.	**05**
Q-6	Write a query to display the records of female doctors who have more than 10 years of experience.	**05**
Q-7	Write a query to display average charges of patient.	**05**
Q-8	Write a query to create other table Patient_data from existing **PATIENT** table with all the fields.	**05**
Q-9	Write a query to display doctor's record whose name starts with 'A' and ends with 'J'.	**05**
Q-10	Write a query to return the arc sine of a number: -0.8	**05**
Q-11	Write a query to print the string "Hey DBMS" in reverse order.	**05**
Q-12	Write a query to display the month for date '2008-02-03'.	**05**

Subject Name:

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	SET–6	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	ARTIST(A_ID,A_NAME,A_AGE,A_EXPERIENCE, A_Salary,A_gender,email,City) Painting(Painting_ID,PaintingName, Category, Price) SALES(S_ID,A_ID,Painting_ID, SalesAmount,SaleDate)	
	Constraints: 1.Artist email should be unique. 2.Artist and Painting name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to display the highest and lowest price of painting.	**05**
Q-3	Write a query to display the number of paintings who belongs to category canvas.	**05**
Q-4	Write a query to display the count of female artists who have more than 15 years of experience.	**05**
Q-5	Write a query to details of the artist living in Mumbai, Hyderabad and Chennai.	**05**
Q-6	Write a query to display the name and price of the paintings in descending order of their price.	**05**
Q-7	Write a query to update the experience of artist whose name is "ram".	**05**
Q-8	Write a query to display the list of male artist whose names has second letter 't'.	**05**
Q-9	Write a query to create other table **Artist_data** from existing **Artist** table with all the fields.	**05**
Q-10	Write a query to return the arc sine of a number: 0.25	**05**
Q-11	Write a query to return the length of given string: 'hello RDBMS'.	**05**
Q-12	Write a query to returns the year for date '1987-01-01'.	**05**

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       Add 10 records or more to each table.

	SET–7	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	PATIENT_Details(PatientID, PatientName, PatientAge, Department, Datofadm, Charges, PatientGender) **DOCTOR** (Doct_ID, DoctName,DocAge,DocExperience,Doc_Department) **CONTACT** (C_ID,Doct_ID, Contact)	
	Constraints: 1. Patient Name should be unique. 2.Doctor name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to display the doctor details whose age is less than 35.	**05**
Q-3	Write a query to display the doctor records who belongs to cardiology and dental departments.	**05**
Q-4	Write a query to add new column doctor_email to doctor table.	**05**
Q-5	Write a query to display patient count based on gender.	**05**
Q-6	Write a query to display Patient's Name, Charges, age for male patients only.	**05**
Q-7	Write a query to add 10 days interval to date "2023-04-21" and then return the date.	**05**
Q-8	Write a query to find the position of 'point' in the string 'important points'.	**05**
Q-9	Write a query to return the arc cosine of a number: -0.8	**05**
Q-10	Write a query to list the names of male patients who are in orthopaedic dept.	**05**
Q-11	Write a query to count the number of patients with age less than 20.	**05**
Q-12	Write a query to create other table **doctor_master** from existing **doctor** table with all the fields.	**05**

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	SET–8	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	EMP (EmpID, EmpName, JOBRole, Salary,Age,Gender) **DEPT_INFO** (DeptNo, EmpID, DeptName,Dept_desc) **PROJECT_INFO** (EmpID, DeptNo, ProjectDescription)	
	Constraints: 1.Employee name should be unique. 2.Employee salary should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to update the column size of job role to 50.	**05**
Q-3	Write a query to display only those records from Project_Info where description starts with 'good' and can have any number of characters after it.	**05**
Q-4	Write a query to display the employee names whose name starts and ends with 'A'.	**05**
Q-5	Write a query to add new column emp_city in to EMP table.	**05**
Q-6	Write a query to rename table **EMP** to **EMP_MASTERS**.	**05**
Q-7	Write a query to display total salary spent for each JOB Role.	**05**
Q-8	Write a query to update the job role of employee whose name is 'Rita.	**05**
Q-9	Write a query to list all the employee names and their job role, whose salary lies between 3000 and 3500 both inclusive.	**05**
Q-10	Write a query to Subtract 10 days from a today's date and return the date.	**05**
Q-11	Write a query to find the length of string: 'MySQL'.	**05**
Q-12	Write a query to return the absolute value of a number: -243.5	**05**

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Add 10 records or more to each table.

	SET–9	
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	Supplier_master(supplierid, suppliername, suppliercity, supplieremailid, suppliercontact) **Product_master**(productid, productname, productdescription, productquantity, productcost) **complain_info**(supplierid, productid, complaindescription, complaindate, complainstatus)	
	Constraints: 1.Supplier email should be unique. 2.Product and supplier names should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to display only those records from supplier master where supplier name has five characters and first and last character are 'h'.	**05**
Q-3	Write a query to display minimum product cost.	**05**
Q-4	Write a query to add new column S_Age to Supplier master.	**05**
Q-5	Write a query to find the position of 'e' in the string "Hello Data".	**05**
Q-6	Write a query to display the product details whose product cost is greater than 20000.	**05**
Q-7	Write a query to display only those records from complain info table where complain status is 'pending', or 'waiting'.	**05**
Q-8	Write a query to display the month for date '2007-03-03'.	**05**
Q-9	Write a query to rename table **complain_info to complain_details.**	**05**
Q-10	Write a query to return the absolute value of a number: -233.5	**05**
Q-11	Write a query to update the size of column product name to 40.	**05**
Q-12	Write a query to display only those records from **complain_details** where description starts with 'dis' and can have any number of characters after it.	**05**

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SET – 10		
Q-1	**Create the below given tables in MySQL by identifying the primary keys, foreign keys, and not null constraints wherever required.**	**15**
	ACTIVITY(acode,a_name,a_participantsnum,prizemoney,schedule_date) **COACH**(c_id,c_fname,c_lname,acode,c_city,c_gender,c_age) **VENUE**(acode,v_id,v_desc)	
	Constraints: 1.Acitivity name should be unique. 2.Coach first name should not be Null. 3. One primary key exists for each table. 4. Apply referential integrity constraint between relations wherever required.	
Q-2	Write a query to display the name of all the activities with their Acodes in descending order.	**05**
Q-3	Write a query to display the coach's name and Acodes in ascending order of Acode from the coach table.	**05**
Q-4	Write a query to update the Acode 1009 of event name "Shot put".	**05**
Q-5	Write a query to display the all activity whose participants count is more than 15.	**05**
Q-6	Write a query to display the activity name with highest prize money.	**05**
Q-7	Write a query to display the details of the coach whose name does not start with 'D'.	**05**
Q-8	Write a query to display the coach count based on gender.	**05**
Q-9	Write a query to display the average prize money.	**05**
Q-10	Write a query that return the current date only.	**05**
Q-11	Write a query to return the arc cosine of a number: 0.25	**05**
Q-12	Write a query to count the number of coach with AGE > 40.	**05**