



Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306
POST GRADUATE DIPLOMA IN MANAGEMENT (2024026)
MID TERM EXAMINATION (TERM- IV)

Subject Name: Database Concepts and Applications

Time: 60 min+ (15 min submission)

Sub. Code: PGIT41

Max Marks: 20

INSTRUCTIONS

- All questions are to be solved using MySQL Workbench on individual Computers/LAPTOPS.
 - Use New query Tab in MySQL file and attempt all the question in the same file. Write comment e.g. -- Question no. xx at the beginning of each question.
 - Save it as script file (.sql) with Your Name and rollno. For example: AGarg_PGDM23101.sql and submit the soft copies using a PD.
 - Sharing of PD for submitting final ANSWER / SOLUTION is not allowed and would lead to cancellation of the answers submitted.
- During the examination, no student is allowed to use mobile phones/Smart watch/Internet/ChatGPT under any conditions.

All questions are compulsory and carry equal marks. (Use DDL and DML only) [4 Marks x 5=20 Marks]

- (a) Create the following table of **Influencers** using atleast 2 possible constraints, in MySQL.

Influencer_ID	Name	Platform	Follower_Count	Category	Country
101	Aditi Sharma	Instagram	250000	Lifestyle	India
102	Raj Malhotra	YouTube	500000	Tech	India
103	Sara Khan	Instagram	320000	Fashion	UAE
104	John Doe	TikTok	150000	Comedy	USA
105	Priya Mehta	Instagram	800000	Fitness	India

- Insert all the given records in table Influencers using multiple row insert in MySQL.
- using the above table, retrieve data with Follower_count more than 200000.

- Use Table Influencers given in Question 1 and answer the questions given below:

- Write a SQL statement to change the name of column Platform to Social_Media_Platform.
- Write a SQL statement to change the name of the table Influencers to Micro-Influencers.

- Create the following table **Restaurants** in MySQL and answer the questions:

R_ID	Restaurant_Name	Cuisine_Type	Location	Average_Rating
201	Spice Garden	Indian	Mumbai	4.5
202	La Pizzeria	Italian	Delhi	4.2
203	Sushi Hub	Continental	Bengaluru	4.8
204	Grill House	Continental	Hyderabad	4.3
205	The Vegan Bowl	Indian	Pune	4.7

- Write a SQL statement that fetches the number of unique Cuisine_Type in the table.
- Write a SQL statement that fetches minimum average rating of Restaurants.

4. Create the following two tables Trainee and Fee using MySQL and answer the questions:

Trainee

id	admission_no	first_name	last_name	age	city
1	3354	Luisa	Evans	13	Texas
2	2135	Paul	Ward	15	Alaska
3	4321	Peter	Bennett	14	California

Fee

admission_no	course	amount_paid
3354	Java	20000
7555	Android	22000
4321	Python	18000

- Write a SQL statement that creates and joins both the tables.
- Write a SQL statement to display first name, city, course, and amount paid.

5. From the following tables

- write a SQL statement to find all the orders issued by the salesman 'Paul Adam'. Return ord_no, purch_amt, ord_date, customer_id and salesman_id. (**Write the query only**)
- Using # in MySql write definition of Primary Key and Foreign Key.

Salesman

salesman_id	name	city	commission
5001	James Hoog	New York	0.15
5002	Nail Knite	Paris	0.13
5005	Pit Alex	London	0.11
5006	Mc Lyon	Paris	0.14
5003	Lauson Hen	San Jose	0.12
5007	Paul Adam	Rome	0.13

Customers

ord_no	purch_amt	ord_date	customer_id	salesman_id
70001	150.5	2012-10-05	3005	5002
70009	270.65	2012-09-10	3001	5005
70002	65.26	2012-10-05	3002	5001
70004	110.5	2012-08-17	3009	5003
70007	948.5	2012-09-10	3005	5002
70005	2400.6	2012-07-27	3007	5001
70008	5760	2012-09-10	3002	5001
70010	1983.43	2012-10-10	3004	5006
70003	2480.4	2012-10-10	3009	5003
70012	250.45	2012-06-27	3008	5002
70011	75.29	2012-08-17	3003	5007
70013	3045.6	2012-04-25	3002	5001

COs	Marks Allocated	Question
CO1	8	1,2
CO2	12	3,4,5