GL BAJAJ
Institute of Management & Research, PGDM Institute
Greater Noida

FIND YOUR SPARK

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306

POST GRADUATE DIPLOMA IN MANAGEMENT (2023-25)
END TERM EXAMINATION (TERM-IV)

Subject Name: **Database Concepts and Application (Practical)**	Time: **90 mins**
Sub. Code: **PGIT41**	Max Marks: **40**

INSTRUCTIONS

1. All questions are to be solved using MySQL Workbench on individual Computers /LAPTOPS.

2. 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.

3. Save it as script file(.sql) with Your Name and rollno. For example: AGarg_PGDM23101.sql and submit the soft copies using a PD.

4. Sharing of PD for submitting final ANSWER / SOLUTION is not allowed and would lead to cancellation of the answers submitted.

5. During the examination, no student is allowed to use mobile phones/Smart watch/Internet/ChatGPT under any conditions.

6. All questions are compulsory. Section A carries 6 questions marks are given against the questions.

--------------------   Do Not Write Anything on Question Paper Except Roll No   -------------

SECTION – A

Questions	CO	Bloom's Level
1. Books Table:	CO3, CO4	L5

Book_ID	Title	Author	Genre	ISBN	Copies_Available	Shelf_Location
1	To Kill a Mockingbird	Harper Lee	Fiction	978-0061120084	3	A12
2	1984- A Story	George Orwell	Dystopian	978-0451524935	5	B07
3	The Great Gatsby	F. Scott Fitzgerald	Fiction	978-0743273565	2	A03
4	The Catcher in the Rye	J.D. Salinger	Fiction	978-0316769488	4	B02

2. Members Table:

Member_ID	First_Name	Last_Name	Phone	Membership_Type	Join_Date
1001	John	Doe	123-456-7890	Regular	15/01/2021
1002	Jane	Smith	987-654-3210	Premium	30/11/2020
1003	Mark	Johnson	555-555-5555	Regular	22/03/2022
1004	Sarah	Wilson	999-888-7777	Premium	18/05/2021

3. Borrowing Table

Transaction_ID	Book_ID	Member_ID	Borrow_Date	Due_Date	Return_Date	Fine
5001	1	1001	01/09/2024	21/09/2024	18/09/2024	0

5002	2	1002	05/09/2024	26/09/2024	NULL	5	
5003	2	1003	01/10/2024	21/10/2024	NULL	0	
5004	4	1004	10/08/2024	30/08/2024	01/09/2024	10	

4. Fines Table

Fine_ID	Member_ID	Transaction_ID	Fine_Amount	Paid_Status	Date_Paid
3001	1001	5001	0	Paid	18/09/2024
3002	1002	5002	80	Unpaid	NULL
3003	1003	5003	40	Unpaid	NULL
3004	1004	5004	100	Paid	01/09/2024

Q1.

a) Write sql queries for creating above tables.　　　　　　　　[6 marks]

b) Write sql queries for inserting the data.　　　　　　　　　　[6 marks]

c) Find all members whose first name starts with 'M' in Members table.　　[6 marks]

d) Count the number of copies available for each genre in books table.　　[6 marks]

e) List the authors whose books have been borrowed more than 2 times.　　[8 marks]

f) Find the name of the member who has the highest fine due and also display due amount.

　　　　　　　　　　　　　　　　　　　　　　　　　　　[8 marks]

Kindly fill the total marks allocated to each CO's in the table below:

COs	Marks Allocated
CO3	20 Marks
CO4	20 Marks

Blooms Taxonomy Levels given below for your ready reference:
L1= Remembering
L2= Understanding
L3= Apply
L4= Analyze
L5= Evaluate
L6= Create