

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306  
**POST GRADUATE DIPLOMA IN MANAGEMENT (2021-23)**  
**MID TERM EXAMINATION (TERM- IV)**

Subject Name: Database Concepts and Applications  
Sub. Code: PGIT41

Time: **60 min**  
Max Marks: **40**

**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

[4 Marks x 5=20 Marks]

- (a) Create the following table of **Employees** using all possible constraints, in MySQL.

Employee_Id	Name	Age	Department	Salary
1	Ajay	25	HR	50000
2	Priya	30	Finance	60000
3	Rahul	28	IT	55000
4	Neha	35	Sales	65000
5	Amit	27	Marketing	52000
6	Anjali	32	HR	58000
7	Vikram	29	IT	56000
8	Meena	31	Finance	59000

(b) Insert all the given records in Employees using multiple row insert in MySQL, using the above table- retrieve data where the salary is greater than 52000.00

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

id	name	age	email	phone
1	Shubham	23	shubham@gmail.com	9999999999
2	Bhavika	21	bhavika@yahoo.com	8888888888
3	Aman	21	aman@hotmail.com	77777777
4	Sonia	23	sonia@gmail.com	6666666666
5	Kiran	19	kiran@yahoo.com	5555555555

- Write a SQL statement to change the name of column name to FIRST\_NAME in table Student.
- Write a SQL statement to change the name of the table Student to Student\_Details.

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

product_id	name	quantity_in_stock	unit_price
1	Foam Dinner Plate	70	1.21
2	Pork - Bacon,back Peameal	49	4.65
3	Lettuce - Romaine, Heart	38	3.35
4	Brocolinni - Gaylan, Chinese	90	4.53
5	Sauce - Ranch Dressing	94	1.63
6	Petit Baguette	14	2.39
7	Sweet Pea Sprouts	98	3.29
8	Island Oasis - Raspberry	26	0.74
9	Longan	67	2.26
10	Broom - Push	6	1.09

- (a) Write a SQL statement that fetches the number of products in the table.
- (b) Write a SQL statement that fetches minimum quantity in stock in the Products table.

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
4	4213	Carlos	Patterson	17	New York
5	5112	Rose	Huges	16	Florida
6	6113	Marielia	Simmons	15	Arizona
7	7555	Antonio	Butler	14	New York
8	8345	Diego	Cox	13	California

**Fee**

admission_no	course	amount_paid
3354	Java	20000
7555	Android	22000
4321	Python	18000
8345	SQL	15000
5112	Machine Learning	30000

- (a) Write a SQL statement that joins both the tables.
- (b) 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.

**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	16	1,2
CO2	24	3,4,5