



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Programme 6th Semester Examination, 2022

**SEC2-P2-COMPUTER SCIENCE**

**MySQL**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

**GROUP-A**

**Answer any five questions**

1×5 = 5

1. Which MySQL command helps you to see the structure of the table?
2. What is DML?
3. What is the difference between FLOAT and DOUBLE?
4. How to check the MySQL version?
5. Why is ALTER TABLE command used?
6. How to change the database name in MySQL?
7. How to delete a row in MySQL?
8. How to drop the primary key in MySQL?

**GROUP-B**

**Answer any three questions**

5×3 = 15

9. What is Stored Procedure? How to create a Stored Procedure in MySQL?
10. Discuss the difference between TRUNCATE and DELETE in MySQL with example.
11. What is View? How to create a View in MySQL?
12. What is Trigger? How to create Trigger in MySQL?
13. Discuss different types of JOIN clause in MySQL.

**GROUP-C**Answer any *two* questions

10×2 = 20

14. In a database there are two tables “Books” and “Issued”, shown below:

**Table: Books**

Bk_id	Book_Name	Author_Name	Publishers	Price	Type	Qty
C0001	Fast Cook	Lata Kapoor	EPB	350	Cookery	5
F0001	The Tears	William H.	First Pub.	650	Fiction	20
T0001	My first C++	Brain & Broke	EPB	350	Text	10
T0002	Let us C++	Yashwant K.	BPB	250	Text	40
F0002	thunderbolts	Anna Roberts	First Pub.	750	Fiction	50

**Table: Issued**

Bk_id	Quantity_issued
T0001	4
C0001	5
F0001	2

Write MySQL queries for the following:

- To list the names from books of text type and quantity issued is more than 2.
- List the names of the books which priced greater than 300.
- To display the Bk\_id, Book\_Name and Quantity\_issued for all books which have been issued.

15. Consider the following table in the database:

Coach_ID	CoachName	Age	Sports	DateOfApp	Pay	Sex
1	Kukreja	35	Karate	27/03/1996	1000	M
2	Ravina	34	Karate	20/01/1998	1200	F
3	Karan	34	Squash	19/02/1998	2000	M
4	Tarun	33	Basketball	07/01/1998	1500	M
5	Zubin	36	Swimming	12/01/1998	750	M
6	Ketki	36	Swimming	24/02/1998	800	F
7	Ankita	39	Squash	20/02/1998	2200	F
8	Zareen	37	Karate	22/02/1998	1100	F
9	Kush	41	Swimming	13/01/1998	900	M
10	Shilya	37	Basketball	19/02/1998	1700	M

Answer the following Questions:

- To display the details of coaches whose age is greater than 40
- To display the coach name, their game with highest pay.
- To display the coach name whose salary is in between 800 and 1200.

16. Consider the following table in the database:

**Table: STORE**

Batchno	Medicine_name	Company	Type	DOM	DOE	Price
A0051	Godhan Ark	Patanjali	Ark	2005-5-26	2009-8-29	40
P7845	Baheda Churna	Prashant	Churana	2001-8-26	2004-5-21	30
T6832	Kumari Aasav	Dindayal	Syrup	2011-1-1	2015-6-29	100
R49256	Neem Giloy	Kamdhenu	Syrup	2004-5-12	2008-5-8	135
T59923	Jatyadi Taila	Baidyanath	Oil	2001-2-28	2008-2-26	NULL
G5993	Shankhs Pushpi	Baidyanath	Syrup	2004-8-7	2007-5-24	55

Write MySQL queries for the following:

- (i) To display the names of all the medicines with the type “Syrup”.
- (ii) To display the names of all medicines by the manufacturer “Prashant”.
- (iii) To add new row for product with the details: E4992, Kaya Kalp, Patanjali, Churna, 1<sup>st</sup> Dec 2002, 31<sup>st</sup> March 2006, 60.

17. Consider the following schemas:

department(dept\_name, building, budget)

course(course\_id, title, dept\_name, credits)

instructor(ID, name, dept\_name, salary)

section(course\_id, sec\_id, semester, year, building, room\_number, time\_slot\_id)

teaches(ID, course\_id, sec\_id, semester, year)

Write MySQL queries for the following:

- (i) Find the names of all departments.
- (ii) Find the names of the courses offered by Computer Science department and Electrical Engineering department.

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