

**INTERNATIONAL INDIAN SCHOOL, RIYADH**  
**INFORMATICS PRACTICES**  
**WORK SHEET – II TERM**

**CLASS: XII**

**Q1:**

- (a) Which commands in MySQL is used to make any Database current Database and see the list of table in that data base?
- (b) What do you mean by table level constraint and column level constraints? Give example for that.
- (c) How primary key in a table is different from unique key constraint?
- (d) What is the purpose of following query statements. Write output.  
Select round(4325.7869,2);  
Select truncate(4325.7869,2);
- (e) What is the difference between Group by and Order by clause?
- (f) A table Alpha contains 4 records and table Beta contains 7 records what will be total number of records in their Cartesian product?
- (g) Write SQL statement to add a column regno of data type varchar in a table Candidate which is primary key?
- (h) Mrs Hetal, a database administrator created a table Voters in which she has used nationality as column name and by mistake she has entered nationality as Gujarat. Now she wants to change all the values from Gujarati to Indians using single statement. Help her to do the following by writing statement.
- (i) What will be the query output for the following statement. Write in words/sentence.
  - (a) SELECT \* from SCHOOL where sname like “\_\_\_ SURAT”;
  - (b) SELECT \* from SCHOOL where sname like “DC%”;

**Q2:**

- (a) What is the difference between drop and delete table command?
- (b) What are different commands used in Transaction in MySQL?

- (c) Consider the tables DOCTORS and PATIENTS given below:

DOCTORS

DOCID	DOCNAME	DEPARTMENT	OPD_DAYS
101	M.Panday	ENT	TTS
102	G.P.Gupta	Paed	MWF
201	C.K.Sharma	Ortho	MWF

PATIENTS

PATNO	PATNAME	DEPARTMENT	DOCID
1	Neeraj	ENT	101
2	Mohit	Ortho	201
3	Ragni	ENT	101
4	Mohit	Paed	102
5	Nandani	Ortho	201

With reference to these tables, write commands in SQL for (i) and (ii) and output for (iii) given below:

- Display the Patno, PatName and corresponding DocName for each Patient.
- Display the list of all patients whose OPD\_Days are MWF.
- Select OPD\_DAYS, count(\*) from DOCTORS, PATIENTS  
Where Patients.Department=Doctors.Department  
Group by OPD\_DAYS;

- (d) Write SQL statement to create the table Film given below as per specification

Column Name	Code	Name	Price	City
Data type	Varchar	Varchar	Number	Varchar
Size	6	30		30
Constraint	Primary key			Default Delhi

- Write SQL statement to add a column Director of data type Varchar(20) in the above table.
- Write SQL statement to change size of the column City from 40 to 80
- Write SQL statement to display structure of the table.

### Q3:

Give the output for the following MySql queries:

- SELECT ROUND(20009.111,-2);
- SELECT SQRT(81)+SQRT(49)+SQRT(121);
- SELECT MID('APS Public School',11,8), TRIM(LEADING '!' FROM '!!!!WEL  
COME!!!!');
- SELECT SUBSTR(RTRIM('INDIA IS GREAT '),3,9);
- SELECT CONCAT(UPPER('xiHum'), LOWER('xiSc'), UPPER(SUBSTR('xiCom',2,3)));

**Q4:**

- Which MySQL command helps you to see existing databases?
- Hemant created a table in MySQL. Later he found that table is wrongly created and he wants to remove it. Name the command by which Hemant can do it.
- Aditi created a table named student, she wants to see those students whose name ending with p. She wrote a query-  

```
SELECT name.* FROM student WHERE name = "%p";
```

 Help her to run the query by removing the errors from the query and rewriting it.
- Aadhar is not able to set Empid of EMPL table to NULL. Which constraint has he used while creating table?

**Q5:**

- Write a SQL command to create a table **LIBRARY** with following structure:

Field	Type	Constraint
Book_no	Integer(4)	Primary key
Title	Varchar(40)	Not Null
Author	Varchar(30)	
Publisher	Varchar(30)	
Pages	Integer(4)	
Date_of_pub	Date	

- In a database there are two tables 'BRAND' and 'ITEM' as shown below:

**BRAND**

ICODE	BRAND
101	SONY
202	HP
303	LG
404	IFB

**ITEM**

CODE	INAME	PRICE
101	TELEVISION	75000
202	COMPUTER	42000
303	REFRIGERATOR	90000
404	WASHING MACHINE	27000

Write MySQL queries for the following:

- To display ICode, IName and corresponding Brand of those items, whose price is between 20000 and 45000(both values inclusive)
  - To display ICode, Price and BName of the item which has IName as "Television"
  - To increase the Price of all items by Rs. 15%.
- Given below is a **Table: Customer**

C_ID	Cust_Name	City	Item_No
01	Dreams Disney	New Delhi	P002
05	Life time inc.	Mumbai	P005
12	Happy Travels	New Delhi	P001
15	Apeksha Pvt. Ltd.	Madras	P003

- (i) Identify Primary key in the table given above.
- (ii) Write MySql query to add a column Price with data type Integer and size 6 in the table Customer.