CLASS-X

SUBJECT-INFORMATION TECHNOLOGY

PRACTICAL FILE

Note:- Following assignments to be done in practical File (Hand Written)

Q.1. Attempt these three parts with reference to SQL commands :

Part A:

Consider the following table and answer the following :

ID	Department	OPD_DAYS	Doctor_Name
H201	ENT	MWF	Akaash Arora
H308	Oncology	TTS	Dharma Sharma
H907	Paediatrics	MWF	Sanjay Singh

(a) Identify suitable Primary Key from the above table.

(b) Add a new record with the following data :
('H608', 'Cardiology', 'TTS', 'Vinita Wahi')

(c) Write a select query to display records of those Doctors whose OPD_DAYS are 'MWF'.

Part B:

Table : Employee

Empid	Name	Deptid	Qualification	Sex
1	Deepali Gupta	101	MCA	F
2	Rajat Tyagi	101	BCA	M
3	Hari Mohan	102	B.A	M
4	Harry	102	M.A	M
5	Sumit Mittal	103	B.Tech	M
6	Jyoti	101	M.Tech	F

a. Suggest a suitable data type for the field Empid and Name in the table Employee.

b. Write a query to display all the records of the table for deptid = 101.

c. Add a new record with the following details :

('7', 'Chandan Makhija', 102, 'MCA', 'M')

Part C : Write SQL Commands for following based on Table Name " Employees ".

FIELD NAME	DATA TYPE
Employee ID	NUMBER/ INTEGER (Primary key)
Employee Name	TEXT/ VARCHAR
Employee Post	TEXT/ VARCHAR
Employee Salary	NUMBER/ INTEGER

a) Create the above table.

b) To Display those records whose Employee ID is '10030'.

c) Modify the Employee Salary by increasing value to 30,000 Rs. For the ID- '10030'.

d) Delete the record of Employee ID '10090'.

e) Display the records of all Employees in descending order of Salary.

Q.2. Attempt these two parts with reference to MS –Excel/Open Office Calc:

Part A :

Given the following Spreadsheet, write the appropriate Formula/Expression/Function to be used for (a) to (e) :

	A	B	C	D	E	F	G	H
1	Player ID	Name	Points	Bonus	Rank	Total		
2	1	Jaideep Singh	1300	200	4			
3	2	Ananya Grover	1800	150	1			
4	3	Mihir Sharma	1600	100	3			
5	4	Varsha Pandey	1200	100	5			
6	5	Sandeep Singh	1700	200	2			
7								
8								

(a)   Write formula to calculate the Total points (Sum of Points + Bonus) of each player in cell F2 – F6.
(b)   Write the feature used for arranging the Rank from Highest to Lowest.
(c)   To find the Player with Maximum TOTAL to be written to Cell F7.
(d)   To find the Average of Points to be written in cell C7.
(e)   To change the Orientation of the Page from Landscape to Portrait.

Part B :

Consider the following spreadsheet and answer the questions that follow :

	A	B	C	D	E	F
1	Region	Sales 2008	Sales 2009	Sales 2010	Sales 2011	
2	New Delhi	56	67	85	87	
3	Mumbai	66	77	54	91	
4	Chennai	74	85	67	77	
5	Calcutta	75	65	47	63	
6						

a.   Calculate the Total sale for the year 2008 in cell B6.

b. Write formula/expression to find difference in sales of Mumbai and Delhi for the year 2009 as sales of New Delhi-sales of Mumbai.

c. Write formula/expression to find the average sale of year 2010.

d. Write expression to find the total sale for the year 2010 and 2011 in Mumbai in cell G3.

e. Name the chart that may be used to show the relationship of the changes in the data over a period of time.