



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject: Informatics
Practices- 065

Topic:
Database Management

Work Sheet: 1

Resource Person: Sara Alex

Date: _____

Name of the Student : _____ **Class: XI** **Roll Number :** _____

Answer the following question based on Data Base:

1. Study the given Table below and answer the following questions.

TABLE: **HOSPITAL**

No	Pt_No	Name	Age	Department	DateOfAdm	Charges	Sex
1	P0012	Arprit	62	Surgery	2018-01-17	75000	M
2	P0089	Zarina	22	ENT	2017-12-25	2500	F
3	P0076	Kareem	32	Orthopedic	2018-03-11	14000	M
4	P0056	Arun	12	Cardiology	2017-11-10	96000	M
5	P0023	Zubin	45	ENT	2018-04-15	3500	M
6	P0022	Sudha	35	Gynecology	2018-02-23	15000	F
7	P0059	Ankita	49	Orthopedic	2018-03-18	23500	F
8	P0011	Shilpa	21	Cardiology	2018-04-16	11000	F
9	P0077	Surya	30	Surgery	2018-02-25	54400	F
10	P0066	Rekesh	39	Cardiology	2018-01-22	34000	M

- Write the name of the relation given above.
- Suggest a field from the above table which can be set as primary key.
- Suggest the data types that should be used for each of the field in the above table.
- What is the degree and the cardinality of the given table?
- Write the SQL command to create the above table HOSPITAL with suitable data types.
- Write the query to show the structure of table.
- To insert a single record into the table.

- viii. To display the information of ENT department from the table.
- ix. To list the name of Female patients from the table.
- x. To display patient's Name, Age and Charges for only male patients.
- xi. To display patient's name and department with charge more than 50000.
- xii. To display all the information of patients with age < 30.
- xiii. To change the Date of admission of patient Shilpa to 2018-03-16.
- xiv. To update the department of the patient P0023 to surgery.
- xv. To increase the charges of all patients by 1000.
- xvi. To decrease the charges of all patients of ENT department by 500.
- xvii. To delete a patient Arun from the table.
- xviii. To delete all the patients from Orthopedic department.
- xix. To list all the male patients of cardiology department.
- xx. To show all information about the patients of Surgery.

- 2. Write any four DBMS other than MS Access. 2
- 3. Expand the term DBMS and RDBMS. 1
- 4. What are the advantages of a database? 2
- 5. Define the term Field, Record and Table. 3
- 6. What is the significance of having a primary key in a relation? 1
- 7. Explain with the help of an example the concept of a foreign key. 2
- 8. Define a composite key? 1
- 9. Define Candidate Key and Alternate Key. 2
- 10. What do you understand by the terms degree and cardinality of a relation. 2
- 11. Differentiate between Primary Key and Foreign key of a Relation. Give example. 2
- 12. What is mean by One-to-Many Relation between two table. 1