

CLASS XII
SUBJECT : INFORMATICS PRACTICES
MySql

Q1.

- a) Raju wants to change the schema of the table “ STUDENT ” which already exists in the database. Which command he will use. 1
- b) Neha is not able to enter the details of students born after ‘ 30-Mar-2007’. Which constraint might be specified when the table was created. 1
- c) What is the purpose of the following query. 1
 SELECT COUNT(*) FROM ELECTION GROUP BY city.
- d) What is the role of UNIQUE constraint? How is PRIMARY KEY constraint differ from UNIQUE key constraint. 2
- e) What is the significant of ORDER BY command in SQL query. 2
- f) ActivityName and ParticipantNo of table ACTIVITY given below 2

Activity Name	ParticipantNo
Relay 100X 4	16
High Jump	10
Shot Put	12
Long Jump	12
Discuss Throw	10

Based on this information, find the output of the following queries.

- a) SELECT COUNT(DISTINCT ParticipantNo) FROM ACTIVITY;
- b) SELECT ActivityName FROM ACTIVITY WHERE ActivityName LIKE ‘%p’;
- g) A table Employee in a database has a 4 columns and 2 rows in it. What is cardinality and degree if 3 more columns are added in the table? 1

Q2.

A)Write an SQL query to create following table ‘ Supplier’ with following descriptions. 2

Table : Supplier

Field	Type	Constraint
Supp_id	Varchar(5)	Primary Key
Supp_Name	Varchar(20)	Not Null
City	Varchar(20)	
Order_No	Integer(10)	Foreign key with reference to Order_No column in Order table
Supp_Amount	Decimal(6,2)	Minimum 10000

b) In database there are two tables “Student” and “Stream” as below :

Table: Student

Sid	Sname	age	Strid
1	Roondy	10	1
2	Joseph	12	1
3	Trinchu	14	2
4	Prithlon	11	3
5	Ahol	10	2

Table : Stream

StrId	Name
1	Eng
2	Com
3	Sci
4	Hum

- (1) What is the name of primary key in both tables? 1
 (2) What is the cardinality and degree of stream table? 1

c) Consider the following two tables STUDENT and LIBRARY as follows.

Table : STUDENT

St_Id.	St_Name	Stream	Class	Book_Issue
101	Karan	Science	12B	C103
202	Divakar	Commerce	11C	C104
305	Divya	Commerce	12C	C102
406	Arun	Humanities	12C	C101
501	Sabina	Science	12A	C105

Table : LIBRARY

BookNo.	Title	Author	Pub	Issue_Date
C101	Data Structure	Lipschitz	McGraw	10-Dec-2009
C102	Computer Studies	French	Galgotia	15-Oct-2010
C103	Advanced Pascal	Schildt	McGraw	20-Jan-2009
C104	Dbase dummies	Palmer	PustakMAHAL	8-Sep-2009
C105	MasteringC++	Gurewich	BPB	23-Nov-2009

Write a SQL query for questions .(i) and (ii) and output for question:(iii)

- (i) Display student name,stream book issue and date of issue for each student. 2
 (ii) Display totalNumber of students in each stream. 2
 (iii) SELECT St_Id,St_Name,Stream,Title,Issue_date 2
 FROM STUDENT,LIBRARY WHERE STUDENT.Book_Issue=LIBRARY.BookNo
 ORDER BY St_Name.

Q3.

- (a) What is Back end? Explain its functions. 1
 (b) How has our society benefited from e-commerce? Mention any two points? 2
 (c) What controls would you suggest for following types of inputs ? 2
 (i) To display some information
 (ii) Enter password
 (iii) To choose more than one subject from a set of subjects.
 (iv) To enter multiline text