Sample Question Paper

INFORMATICS PRACTICES (Code : 065)

CLASS: XI

Maximum Marks: 35 Time: 2 hours

General Instructions

The question paper is divided into 3 sections – A, B and C

Section A, consists of 7 questions (1-7). Each question carries 2 marks.

Section B, consists of 3 questions (8-10). Each question carries 3 marks.

Section C, consists of 3 questions(11-13). Each question carries 4 marks.

Internal choices have been given for question numbers – 1 , 4, 8 and 12.

Section –A Each question carries 2 mark			
Q. No	Part No.	Question	Marks
1		Differentiate between Candidate Key and Alternate Key with an example. OR Differentiate between DDL and DML with example.	2
2		Ms Purva wants to create a database with her name,and then she wants to switch to the newly created database.Help her to write both the sql statements. _____statement 1 _____statement2	2
3		Mr Anirban has created a database named "virtual" using mysql command and created few tables inside it,now he wants to check what are tables he has created.What query he should write to print list of all the tables inside the database? Also what command he should write to remove the database "virtual"?	2
4		What do you understand by the Internet of Things? List some of its potential applications. OR List some of the cloud-based services that you are using at present.	2

5		Among the following commands choose DDL and DML commands separately INSERT,SELECT,CREATE,DROP,DELETE,ALTER	2
6		Differentiate between DELETE and DROP command, add one example too.	2
7		Subhee has created a table named Orders, she has been asked to increase the value of a column named sales amount by 20. She has written the following query for the same. Alter table Orders Add sales amount =salesamount+20; But it is not solving the purpose. i)Rewrite the correct query. ii) Now Subhee wants to remove the table Orders from Database. Write the appropriate query.	1+1

<div align="center">Section –B Each question carries 3 mark</div>

8		Check the following table:-	3

Table: SCHEDULE

SLOTID	MOVIEID	TIMESLOT
S001	M010	10 AM to 12 PM
S002	M020	2 PM to 5 PM
S003	M010	6 PM to 8 PM
S004	M011	9 PM to 11 PM

i)Write SQL command to display the structure of the table SCHEDULE

ii)Write SQL command to create one new row in the table.

iii)Write SQL command to add a new column "Revenue" to the table SCHEDULE

OR

Check the following table and answer the questions below

PRODUCTS

Code	Item	Qty	Price	Transaction Date
1001	Plastic Folder 14"	100	3400	2014-12-14
1004	Pen Stand Standard	200	4500	2015-01-31
1005	Stapler Mini	250	1200	2015-02-28
1009	Punching Machine Small	200	1400	2015-03-12
1003	Stapler Big	100	1500	2015-02-02

i)Sabina wants to print the above table in descending order of Price, help her to write the quote.

ii)Now Sabina wants to remove the column Transaction Date, what command she should write?

iii)Sabina wants to print the details of the items whose name has "t" as the second letter. Help her write the query.

9		Write a short note on the following: (a) Cloud computing (b) Big data and its characteristics (c) Artificial Intelligence	3
10		Raman has to create a database named MYEARTH in MYSQL. She now needs to create a table named FARES in the database to store the records of various cities across the globe. The table FARES has the following structure: TABLE: FARES | FL_NO	AIRLINES	FARE	TAX% | |-------|----------|------|------|
IC701	Indian Airlines	6500	10
MU499	Sahara	9400	5
AM501	Jet Airways	13450	8	 Help him to complete the task by suggesting appropriate SQL commands.	3

Section –C Each question carries 4 mark			
11		See the following table and solve the questions :-	4

TABLE: FLIGHT

FL_NO	STARTING	ENDING	NO_FLIGHT	NO STOPS
IC301	MUMBAI	DELHI	8	0
IC799	BANGALORE	DELHI	2	1
MC101	INDORE	MUMBAI	3	0
IC302	DELHI	MUMBAI	3	0
AM812	KANPUR	BANGALORE	3	1
IC899	MUMBAI	KOCHI	1	4
AM501	DELHI	TRIVENDRUM	1	5
MU499	MUMBAI	MADRAS	3	3
IC701	DELHI	AHEMDABAD	4	0

i)What is the Degree and Cardinality of the table Flight.

ii)Which attribute should be the primary key of the table?

iii)Write the statement to assign primary key to the table.

iv)Write statement to delete all rows from the table.

| 12 | | Check the table Stock given below:- | 4 |

Table: stock

Pid	PName	Category	Qty	Price
1	Keyboard	IO	15	450
2	Mouse	IO	10	350
3	Wifi-router	NW	5	2600
4	Switch	NW	3	3000
5	Monitor	O	10	4500
6	Printer	O	4	17000

Write SQL queries for the following:

(a) To display the records in decreasing order of quantity.

(b) To display category and quantity of the

Products if quantity is ranged between 10 to 15.

(c) To display the details of the products whose name starts with "M"

(d) To increase the price of all the monitors by 100.

13		Consider the following tables DRESS . Write outputs of SQL commands for the statements (i) to (iv)		4

Table :DRESS

DCODE	DESCRIPTION	PRICE	MCODE	LAUNCHDATE
10001	FORMAL SHIRT	1250	M001	12-JAN-08
10020	FROCK	750	M004	09-SEP-07
10012	INFORMAL SHIRT	1450	M002	06-JUN-08
10019	EVENING GOWN	850	M003	06-JUN-08
10090	TULIP SKIRT	850	M002	31-MAR-07
10023	PENCIL SKIRT	1250	M003	19-DEC-08
10089	SLACKS	850	M003	20-OCT-08
10007	FORMAL PANT	1450	M001	09-MAR-08
10009	INFORMAL PANT	1400	M002	20-OCT-08
10024	BABY TOP	650	M003	07-APR-07

(i) SELECT * FROM DRESS WHERE MCODE= 'M001';

(ii) SELECT DESCRIPTION,TYPE FROM DRESS WHERE PRICE>=1250 ;

(iii) SELECT * FROM MATERIAL WHERE DESCRIPTION LIKE "%T" ;

(iv) SELECT DISTINCT PRICE FROM DRESS ;

OR

See the following table and Write output for i) to iv)

Table :EMPLOYEE

ENO	NAME	DOJ	DOB	GENDER	DCODE
1001	Gorge K	2013-09-02	1991-09-01	MALE	D01
1002	RymaSen	2012-12-11	1990-12-15	FEMALE	D03
1003	Mohitesh	2013-02-03	1987-09-04	MALE	D05
1007	Anil Jha	2014-01-17	1984-10-19	MALE	D04
1004	Manila Sahai	2012-12-09	1986-11-14	FEMALE	D01
1005	R Sahay	2013-11-18	1987-03-31	MALE	D02
1006	Jaya Priya	2014-06-09	1985-06-23	FEMALE	D05

(i) Select ENO,Name,Gender from EMPLOYEE order by ENO;

(ii) Select Name from EMPLOYEE where Gender="MALE";

(iii) Select Eno,Name from EMPLOYEE where DOB between '1987-01-01' and '1991-12-01';

(iv) select NAME from EMPLOYEE where GENDER="FEMALE" and DOJ> '1986-01-01';