

PERIODIC III EXAMINATION 2021-2022
INFORMATICS PRAC. (065) MM: 25 TIME: 1HR

INSTRUCTIONS:

1. Paper is divided into 3 sections i.e TYPE A, B and C.
2. Type A contains SHORT ANSWER TYPE questions carries 1 mark each
3. Type B contains APPLICATION BASED/CONCEPTUAL BASED Questions carries 2 marks each
4. TYPE C contains PROGRAMMING PRACTICE questions carries 2 marks each

TYPE A (5 MARKS) – SHORT ANSWER TYPE QUESTIONS

- Q1. What is data redundancy? 1
- Q2. What is the difference between char and varchar data type? 1
- Q3. From the description below, identify the terms: 1
- i). Skeleton design of a database
 - ii). A snapshot/state of a database at a particular instance of time.
- Q4. Name any two basic SQL elements. 1
- Q5. Write the SQL command for the following: 1
- i) To describe the table
 - ii) Open existing database

TYPE B (14 MARKS) – APPLICATION BASED QUESTIONS (ATTEMPT ANY FIVE)

- Q6. What do you understand by MySQL server instance? 2
- Q7. **Define the following: Mention examples of each.** 2
- i) Cardinality
 - ii) Domain
- Q8. What is the role of UNIQUE constraint? How is UNIQUE constraint different from PRIMARY Key? 2
- Q9. Consider the table given below: 2

STUDENT			
ID	NAME	PHONE	DOB
500	Mohan	787653	06/03/2000
501	Javed	8635467	03/15/2001
502	Anu	7943521	10/03/2002

TAKES_COURSE		
ID	CLASS ID	SEM
500	Mohan	787653
501	Javed	8635467
502	Anu	7943521

- (a) Identify the Primary Key in all the tables
- (b) Identity the foreign key(s) in tables;

COURSES		
ClassID	Title	ClassNum
1001	Intro to Informatics	1101
1002	Computer Application	1400
1003	Internet and Security	1400

- Q10 An examination agent designs the following database to store the information on candidate who register for examination. Write the command to create the below table and write all the records into it. 2

CAND		
Column Name	Type	Width
CNUM	Character	8
CNAME	Character	30
DOB	Date	

- Q11 What is MySQL? What are its functions and features? 2
- Q12 Explain the property of a relation: "Values stored must be atomic". 2
- TYPE C (6 MARKS) – PROGRAMMING PRACTICE**
- Q13 Anita has created the following table with the name 'Order'. 2

Table : Order

Column Name	Constraint
OrderId	Primary Key
OrderDate	Not Null
OrderAmount	
StoreId	

One of the rows inserted is as follows :

OrderId	OrderDate	OrderAmount	StoreId
O101	2015-02-12	34000	S104

- (i) What is the data type of columns OrderId and OrderDate in the table Order ?
- (ii) Anita is now trying to insert the following row :

OrderId	OrderDate	OrderAmount	StoreId
O102	NULL	59000	S105

Will she be able to successfully insert it ? Give reason.

- Q14 Observe the given table carefully and answer the following questions: 2

PanNo	Name	Phoneno	Address
CIZPW123A	Rajesh Kumar	9599123456	WZ11 – Rajouri Garden, Delhi
ABWQ2341B	Hemant Kumar	9812345678	Modern Apartments, Pitampura, Delhi
DERA9786T	Naveen Sharma	7868654235	CA 22, Sector 21 Rohini, Delhi
PARD3457L	Sourabh Verma	8933217645	JD 61, Sector20, Gurgaon
GDTF8762P	Nishant Kumar	NULL	Modern Apartments, Pitampura, Delhi
MERT2376G	Hemant Kumar	9811110891	F40, Sector 19, Rohini, Delhi

- i. Name the column that might have a Primary Key constraint. Justify your answer.
- ii. Name the column that might have a Unique constraint. Justify your answer.
- Q15 Mrs. Sharma is the classteacher of Class 'XII A' She wants to create a table 'Student' to store details of her class. 2
- i) Which of the following can be the attributes of Student table?
- a) RollNo b) "Amit" c) Name d) 25
- ii) Name the Primary key of the table 'Student'. State reason for choosing it.