## Indian Institute of Information Technology Chittoor, Sri City

Course: **Database Management System**

Duration: **120 Minutes**

Roll No.: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**Instructions:**

1. Read all questions carefully and answer them in the space provided (**Strictly within the box / space provided**).
2. Convert this document to **pdf (portable document format)** after filling the boxes.
3. The name of the pdf must be your **Roll no.** Upload single pdf file.
4. Crop only required part in the screenshot. Don’t paste the entire screenshot unnecessarily.



1. Consider the LibGen website where the administrators promote their books by displaying the front page. Create a table (name:LibGen\_your Roll Number) with the following constraints

Id → NOT NULL AND UNIQUE

type → varchar

cost → int and cost >0

Promoted → True (fixed)

         Create another new table called "Summary" with three columns:

type→ category name

priceMin→  the lowest price for all promoted books and

priceMax→ highest price for all promoted books

The "promoted" attribute on a promoted book is set to True.

Create a trigger so that, when a tuple from the “Summary” table is deleted, all Books from the corresponding category have their “promoted” attribute set to False. For example, if the entry in “Summary” for category “Novel” is deleted, all entries in “Books” with category “Novel” have their “promoted” attribute set to False.

Insert table data here

| **LibGen\_<your Roll Number> table**  **Note: insert at least 10 rows** |
| --- |
| **Summary table**  **Note: insert at least 10 rows** |

Program:

| **Put your screenshot here** |
| --- |

Results:

| **Place your results here** |
| --- |

Any Observations:

| **Write your observation here** |
| --- |

1. Assume the below schema for customer data belonging to BSNL mobile company.

CUSTOMER (ID, Name, age, MobileNum, Plan)

BASEPLAN (Code, ConnectionFee, PricePerSecond )

PHONECALL (ID, Date, Time, CalledNum, Seconds)

BILL (ID, Month, Year, amount )

Create a trigger that updates the customer’s bill after every phone call.

Insert screenshots of table data in the space provided.

| Place CUSTOMER Table here  **Note: insert at least 5 rows** |
| --- |
| Place BASEPLAN table here  **Note: insert at least 5 rows** |
| Place PHONECALL Table here  **Note: insert at least 5 rows** |
| Place BILL Table here  **Note: insert at least 5 rows** |

Program:

Result:



Any Observations/Justification:

| **Write your observation here** |
| --- |