

BACHELOR OF COMPUTER APPLICATIONS (CBCS-2019 COURSE)
B.C.A. SEM - III : WINTER :- 2021
SUBJECT: DBMS-II

Day : Thursday
Date 17-02-2022

W-21869-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Answers to both the sections should be written in the **SAME** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** What are data constraints? Explain Unique Key and Primary Key with example. [10]
- Q.2** Explain SQL Select statement with all options. Give examples of each. [10]
- Q.3** Explain any five string functions and five numeric functions with examples. [10]
- Q.4** What are joins? Explain the various types of joins with examples. [10]
- Q.5** Define views. State the need for creating views. Explain the syntax of creating views with examples. [10]
- Q.6** Write short notes on **ANY TWO** of the following: [10]
- a) Set operations
 - b) Sequence
 - c) Group By and Having clause

SECTION – II

- Q.7** Consider the following table structure:
publisher : pub_no (PK), pub_name, pub_address, pub_mobile, pub_city
books : b_id (PK), b_title, b_category, p_no (FK), b_price
book_author : b_id (FK), author_id (FK)
authors : author_id (PK), a_name, a_address, city, phone
Write SQL Queries for the following:
- a) Create above tables with proper constraints. [03]
 - b) Insert records in the table. [02]
 - c) List the books from comic category. [02]
 - d) Display the name of author of the book titled 'History of India'. [02]
 - e) List the name of the publishers who are from the city of author Raj. [02]
 - f) List the total number of books whose price is greater than 5000. [02]
 - g) Name the book whose price is more than the price of the book 'History of India'. [02]
- Q.8** Write PL / SQL block for the following:
- a) To enter a number from the user and generate its multiplication table. [08]
 - b) To enter two numbers from the user and perform all arithmetic operations on it. [07]
- Q.9** What are cursors? Explain the steps for explicit cursor management with an example. [15]

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