

BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)  
B.C.A. Sem-III : WINTER- 2022  
SUBJECT : DBMS-II

Day : Friday

Time : 10:00 AM-01:00 PM

Date : 2/12/2022

W-18769-2022

Max. Marks : 60

**N.B.:**

- 1) **Q.No.4** from Section – I is **COMPULSORY**.
- 2) Answers **ANY TWO** questions from **Q.1, 2, 3** in section – I.
- 3) Answers **ANY TWO** questions from **Q.5, 6, 7** in section – II.
- 4) Figures to the right indicate **FULL** marks.
- 5) Answers to both the sections to be written in **SAME** answer book.
- 6) Draw a labeled diagram **WHEREVER** necessary.

**SECTION – I**

- Q.1** What is RDBMS? Explain Dr. E.F. Codd's Rules in detail. [12]
- Q.2** Discuss the various constraints available in oracle with examples. [12]
- Q.3** Explain the sequence object of oracle in brief. Describe its creation and applications with examples. [12]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
- a) Commit and Rollback commands
  - b) Differentiate between SQL and PL/SQL
  - c) Numeric function in SQL
  - d) Differentiate between TRUNCATE and DELETE command

**SECTION – II**

- Q.5** Write SQL queries for the following: [02]
- a) Create following tables with proper constraints [02]  
Party (Partycode, Partyname)  
Politician (Pno, Pname, City, Partycode)
  - b) Insert 2 records in each table. [02]
  - c) List the party names for party codes 1, 3 and 5. [02]
  - d) List the Party names in ascending order. [02]
  - e) Display the politician names belonging to Party 'XYZ'. [02]
  - f) List the politicians from city 'Delhi'. [02]
- Q.6** Create a table Employee with Employee Number, Employee Name, Designation, Department and Basic Pay. [12]  
Write a PL/SQL program to display the appropriate pay slip. The formula for calculating allowance and deduction is given below:  
Allowance = 15% of Basic Pay.  
Deduction = 10% of Basic Pay.
- Q.7** What is stored procedure? Explain with example how stored procedure can be created and executed. [12]

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