

**BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)**  
**B.C.A. Sem-III : WINTER : 2021**  
**SUBJECT: DBMS-II**

**Day :** Thursday  
**Date :** 13-01-2022

**W-18769-2021**

**Time :** 10:00 AM-01:00 PM  
**Max. Marks:** 60

**N.B.**

- 1) Solve any **TWO** questions from Q.1, Q.2 and Q.3 and Q.4 is **COMPULSORY**.
- 2) Solve any **TWO** questions from Section – II.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** Explain date functions with example. (Minimum 4). (12)
- Q.2** Write different data types used in SQL with example. (12)
- Q.3** Write the use of data constraints with example of each of the following Primary Key, Foreign Key, NOT NULL, UNIQUE. (12)
- Q.4** Write short notes on any **TWO**: (12)
- a) Sequence
  - b) Relational operators
  - c) Components of SQL

**SECTION – II**

- Q.4** Consider the following relational database: (12)  
Company (cno, cname, ccity, cshare\_value)  
Person (Pno, Pname, Pcity, PPh\_no, no\_of\_share, Cno)  
Write a function which will return total number of companies from Pune city.
- Q.5** Consider the following relational database: (12)  
Customer (cno, cname, ccity, cmob\_no)  
Loan (Lno, Loan\_amt, no\_of\_years, cno)  
Write a cursor to display details of customers and their loan who have taken loan for more than 10 years.
- Q.6** Consider the following relational database: (12)  
Company (cno, cname, ccity, cshare\_value)  
Person (Pno, Pname, Pcity, PPh\_no, no\_of\_share, Cno)  
Write a SQL query
- i) Display persons from Pune city.
  - ii) Display company details having share value more than 10000.
  - iii) Display person details having no of shares more than 100.
  - iv) Display company wise total number of person
  - v) Display person details who does have any shares.

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