

BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)

B.C.A. Sem-III : : SUMMER - 2022

SUBJECT : DBMS-II

Day : Saturday
Date : 28-05-2022

S-18769-2022

Time : 02:00 PM-05:00 PM
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 oracle? Explain various features of oracle in detail. [12]
- Q.2** What do you mean by Primary Key and Foreign Key in RDBMS? What is their significance? Describe the syntax of defining Primary Key and Foreign Key with relevant examples. [12]
- Q.3** Explain views in detail. Write down the syntax of creating views and explain its operations with examples. [12]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
- a) Oracle Data Types
 - b) Date Functions with Syntax and examples
 - c) Differentiate between Outer join and Inner join
 - d) Subqueries

SECTION – II

- Q.5** Write SQL queries for the following: [02]
- a) Create following tables with proper constraints: [02]
Employee (Eno, Ename, City, deptname)
Project (Pno, Pname, Status)
Emp_Proj (Eno, Pno, No_of_Days)
 - b) Insert 2 records in each table. [02]
 - c) List the Employees working in 'Research and Development' department. [02]
 - d) Display the projects on which Employee 'Raj Verma' is working. [02]
 - e) Display the projects with status 'Completed'. [02]
 - f) Display the total Number of employees working on project 'CRM'. [02]
- Q.6** Create a table named Items with Item code, Item Name, Quantity and Unit Price. Write a PL/SQL program to display the items whose unit price is greater than Rs. 20 and quantity supplied is greater than 5000. [12]
- Q.7** What is trigger? What are the different types of triggers? Explain its application with the help of example. [12]

* * * *