

B.C.A. SEM-II (2014 Course) CBCS : SUMMER - 2019
SUBJECT: APPLIED DATABASE MANAGEMENT CONCEPTS USING ORACLE

Day : Tuesday
Date : 30/04/2019

S-2019-2064

Time 10.00 AM TO 01.00 PM
Max. Marks : 100

N.B.:

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

SECTION-I

- Q.1** What is Oracle? Explain the various features of Oracle. (15)
- Q.2** Explain the following SQL commands with their syntax and example: (15)
a) CREATE TABLE b) DELETE c) UPDATE
- Q.3** Explain with example any 5 Numeric Functions in detail. (15)
- Q.4** Explain Codd's rules in details. (15)
- Q.5** What is PL/SQL? Explain the various components of a PL/SQL block. (15)
- Q.6** What is Exception Handling? Explain any five Oracle Named Exceptions. (15)
- Q.7** Write a short note on Any **THREE**: (15)
a) IN and NOT IN predicate
b) COMMIT and ROLLBACK
c) INDEX
d) Joins

SECTION II

- Q.8** Write SQL commands for the following: (05)
1. Create following tables with proper constraints: (05)
Movie (Movieno, Name, Type, Stars, Price)
Invoice (Invoiceno, Movieno, Issuedate, Returndate)
2. Display the movies of type 'Action' or 'Comedy'. (03)
3. Find the names of movies whose price is greater than 20,000 and less than 25,000. (03)
4. Calculate the average price of movies from Thriller Category. (03)
5. Display the name of movie that was issued in the month of August. (03)
6. List all movies in descending order on column Price. (03)
- Q.9** Consider the following table structure: (20)
Department (Dno, Dname, Location)
Employee (Eno, Ename, Dno, City, Salary)
Write a PL/SQL block to accept the Dno and print the name of Employee having maximum salary working in that department.
- Q.10** Consider the following table structure: (20)
Employee (Eno, Ename, Dno, City, Salary)
Write a trigger to enter value of Ename in uppercase before Insert Operation in Employee Table.

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