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

Day	: Tuesday		Time 10.00 AM TO 01.00 PM
Date	: 30/04/2019	**S-2019-2118**	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:
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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