

No. of Printed Pages : 2 **MCSL-210(Set-IV)**

**POST GRADUATE DIPLOMA IN
COMPUTER APPLICATIONS
(PGDCA-NEW)**

**Term-End Practical Examination
December, 2024**

MCSL-210(Set-IV) : DBMS AND JAVA LAB

Time : 2 Hours

Maximum Marks : 50

Note : (i) *There are two Sections in this paper.*

(ii) *Each Section is of 1 hour duration.*

(iii) *Each Section has one compulsory question of 20 marks.*

(iv) *Each Section has 5 marks for viva-voce separately.*

(v) *Attempt only that Section(s) in which you are not yet successful.*

Section—I : DBMS Lab

1. Create the following table as indicated below : 4

EMPLOYEE (E_ID, Name, Age, Address, Salary, Dept_ID)

DEPARTMENT (Dept_ID, Name, City)

Select appropriate primary keys. Input at least five meaningful records in tables. Select appropriate data types for all the fields.

Answer the following queries using SQL :4 each

- (i) Display name and Dept_ID of all the departments in city “Delhi”. 4
- (ii) Display name and age of the employees working in Dept_ID = 1001 and their salary is more than ₹ 10,000 p. m. 4
- (iii) Find total number of employees whose salary is less than ₹ 50,000 p.m. 4
- (iv) Display name and salary of all the employees whose age is more than 50 years. 4

Section—II : Java Lab

2. Write a Java program for multiplication of two matrices. Define appropriate class and methods in your program. Also make provision for exceptions handling in your program. 20

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