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MCSL-210(P)(Set-III)

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA-NEW)

Term-End Practical Examination

June, 2025

**MCSL-210(P)(Set-III) : 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) *Attempt only that Section(s) in which
you are not yet successful.*

Section—A

(DBMS)

Note : *Answer the following question. It carries
20 marks and the viva-voce is of 5 marks.*

1. Create the following tables :

Course (Course_ID, Course_Name, Duration)

Registration (Student_ID, Course_ID,
Registration_Date)

Use appropriate keys and data types. Insert
at least 10 meaningful records.

Write the following SQL queries based on
above tables :

- (a) Display all students registered for the
course 'Python Programming'. 4
- (b) Find the number of students registered
for each course. 4
- (c) List courses with duration more than
6 months. 4
- (d) Display student ID and course ID for
registrations done in the current
year. 4

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Section—B

(JAVA Lab)

***Note :** Answer the following question. It carries
20 marks and the viva-voce is of 5 marks.*

2. Write a Java program to read 'n' integers from the user, store them in an array, and sort them in ascending order. Use classes and appropriate access specifiers. Include exception handling for invalid input. 20

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