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MCSL-210(P)(Set-II)

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA-NEW)

Term-End Practical Examination

June, 2025

MCSL-210(P)(Set-II) : DBMS AND JAVA LAB

Time : 2 Hours *Maximum Marks : 50*

Note : (i) There are two Sections in this paper.
(ii) Each Section is of one-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 :

Library (Book_ID, Title, Author, year_published)

Issue (Issue_ID, Book_ID, Member_Name, Issue_Date, Return_Date)

Use appropriate data types and primary/Return_Date keys. Insert 10 meaningful records in each table. 4

Write the following SQL queries based on above tables :

- (a) List all books issued in the year 2023. 4
- (b) Find books written by 'R. K. Narayan'. 4
- (c) Count the number of books issued to 'Amit'. 4
- (d) Display the title and author of the most recently published book. 4

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 create an abstract class 'Vehicle' with an abstract method 'display Info()'. Extend this class in two Classes : 'Car' and 'Bike'. Override the display Info()' method to display the specific details of each vehicle. 20

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