

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

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

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

MCSL-210(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 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 a table ROUTE_HEADER with the following fields : 4

(ROUTE_ID, ROUTE_NO, CATEGORY_CODE, ORIGIN, DESTINATION, FARE, DISTANCE, SEATING_CAPACITY)

Select appropriate data types for each of the fields. Input meaningful data of at least 10 records.

Answer the following queries using SQL : 4 each

- (i) To display all the records, sorted in ascending order with respect to distance.
- (ii) To display the ROUTE_ID and ROUTE_NO whose FARE > ₹ 400.
- (iii) Display the average total fare.
- (iv) Display all the types of CATEGORY_CODES.

Section—II : Java Lab

2. Write a Java program to create an Applet which takes temperature in Celsius and converts it into Fahrenheit (The formula for Celsius to Fahrenheit conversion is :

$5 * C = 9 * (F - 32)$, where C is Celsius temperature and F is Fahrenheit temperature.

20

x x x x x x x