No. of Printed Pages : 4

BCSL–135(P)(Set-I)

BACHELOR OF COMPUTER APPLICATIONS (BCA-NEW)

Term-End Practical Examination

June, 2026

BCSL–135(P)(Set-I) : DBMS AND C++ LAB

Time : 2 Hours *Maximum Marks : 50*

***Note** : (i) There are two Sections in this paper and all questions are compulsory.*

(ii) Each Section is of one-hour duration and carries 20 marks.

(iii) 5 marks are of viva-voce for each Section separately.

(iv) Attempt only those Section(s) in which you are not successful as yet.

Section—A

(DBMS Lab)

1. Consider the following Banking database schema and answer the queries below :

Accounts :

Column	Type	Constraints
Account ID	INT	Primary Key
Customer Name	Varchar (50)	Not Null
Balance	Decimal (10, 2)	
Branch ID	INT	Foreign Key

Branches :

Column	Type	Constraints
Branch ID	INT	Primary Key
Branch Name	Varchar (50)	
City	Varchar (50)	

Write and execute the SQL queries for the following : 5×4=20

(a) List the names of all customers whose account balance is greater than 50,000.

(b) Display the names of all branches located in Mumbai.

(c) Find the total number of accounts in the bank.

(d) Display the CustomerName and BranchName of all customers using a JOIN.

(e) Show AccountID, CustomerName, and City for all accounts.

Section—B

(C++ Programming Lab)

2. Write a C++ program to demonstrate a constructor and destructor. 20

- Create a class student with the following members :

  Private Variables : Roll No (Int), Name (String)

- Include a constructor to initialize these variables.
- Include a destructor that prints a message when the object is destroyed.
- Include a function display() to print student details.

In main ( ) :

Create an object of the class and call the display function.

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