

No. of Printed Pages : 3 **BCSL-091(SET-I)**

**CERTIFICATE IN MOBILE
APPLICATION DEVELOPMENT
(CMAD)**

Term-End Practical Examination

June, 2025

**BCSL-091(SET-I) : LABORATORY COURSE
(INTRODUCTION TO DATABASES,
PROGRAMMING USING PYTHON AND
INTRODUCTION TO ANDROID)**

Time : 3 Hours

Maximum Marks : 75

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

(ii) *Each Section is of 1 hour duration
including the viva-voce.*

(iii) Each Section carries 20 marks and 5 marks for each Section are for viva-voce.

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

Section—A

(Introduction to Databases)

1. Create a database for job management system, which has the following tables and attributes :

Job (Job_ID, Job_Name, Salary, Department_ID)

Department (Department_ID, Department_Name, Manager_ID)

Input 5 records in to each table and write SQL code for the following queries : 20

- (i) List all the Job details for Department_ID = '001'.
- (ii) List the name of departments, managed by Manager_ID = '001'.

Section—B

(Introduction to Android)

2. Develop a CALENDAR mobile app for any one month of year 2025. Make assumptions wherever necessary. 20

Section—C

(Programming Using Python)

3. Write a program in Python to perform the following :
- (i) Find sum of two matrices of order 2×2 . 10
- (ii) Check if a given year is a leap year or not. 10

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