

**POST GRADUATE DIPLOMA IN
LIBRARY AUTOMATION AND
NETWORKING
(PGDLAN)**

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

MLIL-007 : PROGRAMMING PRACTICAL

Time : 2 Hours

Maximum Marks : 50

(Practical Work : 40

Viva Voce : 10)

(Weightage : 40)

Note : (i) *Show the output to your examiner.*

(ii) *Save your output in your system and show to examiner.*

(iii) *Write your Roll No., Study Centre and date of exam on Answer sheets.*

(iv) *No Additional Material is allowed.*

PART—A

C++

1. Write a program in C++ to define a class to represent a bank account. Include the following members data : 20

(a) Name of the depositor

- (b) Account number
- (c) Type of account—Saving or Current
- (d) Balance amount in account

Member functions :

- (i) To assign initial values
 - (ii) To deposit an amount
 - (iii) To withdraw an amount after checking the balance
 - (iv) To display name and balance
2. A book shop maintains the inventory of books that are being sold at the shop. The list includes details such as : 20
- (a) Author
 - (b) Title
 - (c) Price
 - (d) Publisher
 - (e) Stock Position

Whenever a customer wants a book, the sales-person inputs the title and author and the system searches the list and displays whether it

is available or not. If it is not available an appropriate message is displayed. If it is available, then the system displays the book details and requests for number of copies required. If the requested copies are available the total cost of copies requested is displayed. Design a system in C++ using a class called books with suitable member functions.

PART—B**JAVA**

1. Using Java, write an interface stack which contains methods for PUSH, POP and DISPLAY.

Create a class to implement this interface.

Write a program to add the top 2 elements of stack. 20

2. Write a program in JAVA that maintains information about student data :
 - (a) Name of student
 - (b) Roll No.
 - (c) Marks obtained

The program should contain methods to provide the following functionalities : 20

- (i) Insertion
- (ii) Deletion
- (iii) Sort Alphabetically
- (iv) Display

PART—C

VISUAL BASIC

1. An authorized dealer who sells a range of home appliances has computerized his operations. His monthly sales report on each product category is printed out by choosing the required category from a menu. Write a Visual Basic script to enable the dealer to add new product categories dynamically. The total no. of categories that can be added is ten. 20
2. Write a Visual Basic program that input a six digit number, separate the number into its individual digit and print the digits separated from one another by three “***” each. 20

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