

No. of Printed Pages : 3

**MLIL-007**

**POST GRADUATE DIPLOMA IN  
LIBRARY AUTOMATION AND  
NETWORKING (PGDLAN)  
Term-End Practical Examination  
June, 2023**

**MLIL-007 : PROGRAMMING**

*Time : 2 Hours*

*Maximum Marks : 50*

*(Practical Work : 40*

*Viva-Voice : 10)*

*(Weightage : 40%)*

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**Note :** (i) *This question paper comprises three Parts. Attempt any **one** Part. Answer all the questions from attempted Part.*

(ii) *Show the output to your examiner.*

(iii) *Save your output in your system which will be checked by the examiner.*

(iv) *Printout of the answer wherever required should be taken in a sheet duly signed by RD with his/her stamp. Write your Roll No., Study Centre and Date of Examination on these sheets.*

(v) *Candidates are not permitted to use any manual/handbook in carrying out the practical.*

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**P. T. O.**

**PART—A****C++**

1. Write a program in C++ to make necessary entries (to create a new book entry) in the library for a newly arrived book and make it ready for issuing them to students. Write appropriate class(es), data members and member functions. 20

**Note** : Make necessary assumptions wherever needed.

2. Write a program in C++ to count the number of newly arrived book-entries in all categories for a particular day. Write appropriate class(es), data member and member functions. 20

**Note** : Make necessary assumptions wherever needed.

**PART—B****JAVA**

1. Write a program to calculate the gross salary and net salary of each employee to library staff (*assume only 4 employees including Librarian,*

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Asstt. librarian) if BASIC-PAY, TA, DA, Allowances, PERKS and Deduction are given. Write appropriate classes. 20

2. Create an object for a class "student" of a *university*. Also, write a method *profile()* that will accept the enrolment number of a student as input and display her/his complete details and programme of study. Make suitable assumptions, if any. 20

**Note** : Assumptions can be made wherever necessary. Draw a layout of the user-interface.

### **PART—C**

### **VISUAL BASIC**

1. Design a complete *menu* using appropriate controls and menu-options of a firm. 20  
**Note** : No need of writing any coding for the above interface(s). Only interface design is enough.
2. Write an event procedure to collect the details of the new books, store them and display the count (day-wise) as per the discipline. 20

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