

00235

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

**Term-End Practical Examination**

**June, 2016**

**MLIL-007 : PROGRAMMING**

*Time Allowed : 2 hours*

*Maximum Marks : 50*

*(Practical Work : 40*

*Viva Voce : 10)*

*(Weightage : 40%)*

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**General Instructions :**

- (i) *The Question Paper comprises of three parts. Attempt any one parts. 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 answers 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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## PART - A

(C++)

1. Write a program in C++ with the following function and a class REPORT with the following specifications : 20
- Enrollment No. : 10 Digits  
Name : 20 Characters  
Marks : An array of 5 floating point values (for five subjects)  
Average : Average marks obtained  
Get average( ) : A function to calculate the average obtained in five subjects.

**Note :** Make suitable assumptions, if any.

2. Write a program in C++ to add 2 matrices A and B with size 3x3. Include appropriate classes and member functions to display the sum in matrix C. 20

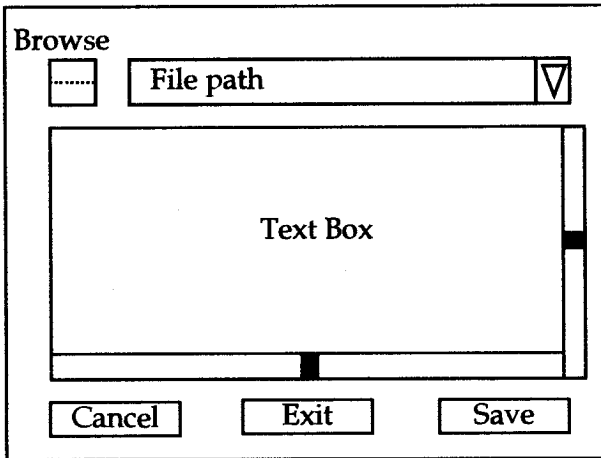
## PART - B

(Java)

1. Write a program in Java to find out the smallest number among 3 numbers. Use appropriate classes, data members and member functions. 20
2. Write a program in Java, which accepts a number from the user and checks whether the input number is a Armstrong Number or not ? (Note : Armstrong number is a number whose sum of the cube of its digits is equal to the number itself. e.g. 153) 20

**PART - C**  
**(Visual Basic)**

- 1 Write a event procedure in VB which calculates and displays the prime numbers between the given range of integers by the user. 20
2. Create a VB application as follows : 20



**Note :** No need of doing any programming.

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