POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

Term-End Practical Examination

December, 2015

MLIL-007 : PROGRAMMING

Time Allowed : 2 hours

Maximum Marks : 50
(Practical Work : 40
Viva Voce : 10)
(Weightage : 40%)

General Instructions :

(i) This question paper comprises three parts. Attempt any **one** part. Answer **all** the questions from the 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.

PART A : C++

1. Write a program in C++ with a function and a class named **BOOK** with the following specifications :   *20*

Book No.	: 10 Digit Number
Book Title	: 20 Characters
Cost	: 5 Digits
No. of Copies	: 3 Digits
Bill Amt ( )	: It is a function to calculate the bill using the no. of copies and cost.

    Note : *Make suitable assumptions, if any.*

2. Assume N is a two-dimensional array of characters. Write a C++ function to search for a value given by the user at run time. If the value is present in this array N, then the function should return "Success" or else "Not found".   *20*

PART B : JAVA

1. Write a program in Java, which inputs two numbers m and n from the user. Write a function which displays the product of m and n.   *20*

2. Write a program in Java to generate a bill for a books retail store. Use appropriate classes, data members and member functions.   *20*

PART C : VISUAL BASIC

1. Create a VB application with two menu options (A and P). If the choice is A, it asks for the radius from the user and displays the area of a circle. If the choice is P, it asks for the radius and displays the perimeter of a circle.

   (*Hint* : Area = πr^2 and Perimeter = $2\pi r$)   *20*

2. Create the following form in VB and calculate the Simple Interest according to the user input.   *20*

Principal Amt :	[ ]
Rate Annual :	[ ]
Duration (Months) :	[ ]
Simple Interest :	[ ]

   [Cancel]   [Exit]   [Calculate]