| MLIL-007 |

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

00585

## Term-End Practical Examination

### December, 2014

## MLIL-007 : PROGRAMMING

*Time Allowed : 2 Hours*          *Maximum Marks : 50*
                                  *(Practical Work : 40*
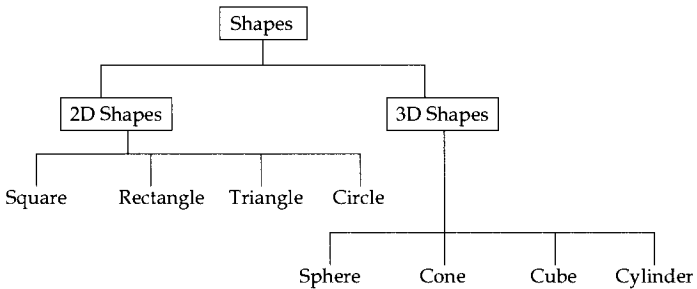                                  *Viva Voce : 10)*
                                  *(Weightage : 40%)*

*General Instructions :*

(i)   *This Question Paper comprises **two compulsory** questions. 10 marks are for viva-voce.*

(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++ to implement a class  **20**
called "EMPLOYEE" having data members
Name, Age, Working Area, Department, Salary
and Emp-ID. Write a program so that it creates 4
objects with values and display them.
**Note** : Make assumptions, wherever necessary.

2. Design and implement the following class  **20**
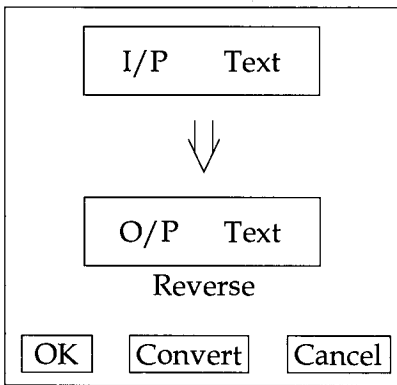hierarchy in C++.



Your implementation should include :
- Member variables
- Constructor and destructor
- A member function that can display names
  of all shapes in a specific category.

## PART - B : JAVA

1. Write a program in Java that accepts a string as  **20**
input and prints no. of vowels in it.

2. Write a program in Java to find the greatest  **20**
number among any three numbers given by a
user.

## PART - C : VISUAL BASIC

1.  Create a simple VB application for bill generation **20** for a Retail medical shop. User will provide his/ her name, doctor's name, medicine names, cost, contact number as an input. This application will display the *bill* a user has to pay.

2.  Write a program in VB, which converts the string **20** to its reverse string. Design an interface as given below :



Write events for all the three buttons Ok, Convert and Cancel.

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