MCA/IIIS/306/13(Pr.)

MCA 3rd Semester Examination, 2013

OPP. LAB

(Practical)

PAPER – CS/MCA - 306

Answer any **one** question from each Group

GROUP – A

(C++)

1. Find the sum of two no.s using inline function.
2. Find the factorial of any no. using friend function.
3. Write a C++ program to define a class matrix and find the multiplication of two matrices.
4. Find the sum of two complex number using operator overloading.
5. Write any program to implement virtual base class.
6. Using class, find the sum of cos series.

7. Find the value of ${}^{n}C_{r}$ using call by reference.

8. Demonstrate the single Inheritence.

9. Demonstrate the hybrid inheritence.

10. Define a STUDET class with name, roll and obtained marks. Declare a array of 10 students objects. Use appropriate function find the top student and display the all student by marks wise.

GROUP – B

(*Java*)

11. Find the all prime no.s between a given range.

12. Find the nature of the roots and roots of a quadratic equation.

13. Using Bubble sort, sort the no.s.

14. Take input the name of five persons as command line arguments and display the name as asscending order.

15. Write a menu driven program to check a no. is

(*i*) Even or odd

(*ii*) Perfect square or not

(*iii*)Palindrome or not.

16. Demonstrate the multiple inheritence using interface.

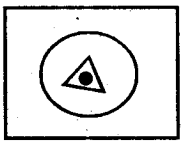
17. Display the string changing its case

eg. I am a student will be

i AM A sTUDENT.

18. Using applet draw the following figure

19. Using applet draw the following figure



20. Demonstrate the package.

21. Find the area of circle, square, triangle, rectangle using method overloading.
