

PG CBCS
M.Sc. Semester-III Examination, 2022
COMPUTER SCIENCE
PAPER: COS 391
M1: GRAPHICS LAB

**Full Marks: 25****Time: 2 Hours****Answer any ONE question:****1 × 15=15**

1. Write a program to draw a polygon using Bresenham's line drawing algorithm.
2. Write a program to draw two concentric circles using a standard circle drawing algorithm.
3. Write a program to show 2D rotation for all angles.
4. Write a program to show X-direction shear over a square.
5. Write a program to perform the below transformation in sequence.
 - a. Reflection w.r.t.st. $Y=X$
 - b. Then rotation of the reflected line by an angle of 60 degree.
6. Write a program to show any three types of 2D reflection.
7. Write a program to show that "a pair of parallel straight line remain parallel even after transformation".
8. Write a menu driven program to show all standards of 2D reflection.
9. Write a program to draw a rectangle and then reflect it about the line $X=Y$.

Viva-voice-5

Practical Note Book-5
