

Jagannath International Management School

VasantKunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)

Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC

Participant of UNGC & UNPRME, New York

ISO 9001:2015 Quality Certified

Bachelor of Computer Applications (BCA)

Course : BCA

Subject Code: 20351

Semester : V

Subject : CG Lab

S. No.	Question
1.	Write a program to draw the following using pre- defined functions in computer graphics: Circle Line Rectangle Arc Ellipse Also, change the background colour.
2.	Write a program to draw a moving Cycle using Pre defined functions in computer graphics
3.	Write a program using pre-defined functions in computer graphics to draw a night sky and stars flickering
4.	Write a program in C to draw a line using Digital Differential Analyzer (DDA) Algorithm.
5.	Write a program in C to draw a chessboard using Digital Differential Analyzer (DDA) Algorithm.
6.	Write a program in C to draw a line using Bresenham's Algorithm.
7.	Write a menu driven program in C to draw an Equilateral, Isosceles and Scalene triangle using line drawing function.
8.	Write a program in C to draw a circle using Bresenham's Algorithm.
9.	Write a program in C to draw a circle using Mid- Point Algorithm.
10.	Write a program in C to draw a moving wheel using Mid-Point and DDA line algorithm.
11.	Write a program in C to draw an ellipse using Mid- Point Algorithm.
12.	Write a program in C to clip a line using Cohen Sutherland Algorithm.
13.	Write a program in C to rotate a square about any of its vertex by 45 degree around a fixed point (3,4).
14.	Write a menu driven program in C to apply 3 basic transformation techniques on a triangle.
15.	Write a program in C to draw cubic Bezier Curve.
16.	Write a program in C to draw Quadratic Bezier Curve.
17.	Write a program in C to draw translate a line in 3D.

S. No.	Question
18.	Write a program in C to draw scale a circle in 3D.
19.	Write a program in C to draw rotate a line by 60 Degree around a fixed point (2,3,1) in 3D.
20.	Write a menu driven program in C to apply 3 basic transformation techniques on a triangle (3D).
21.	Write a program in C to draw our tri-color national flag.
22.	Write a program in C to move a fish.
23.	Write a program in C to show a moving car.