



University of Chittagong
Department of Computer Science & Engineering
7th Semester B.Sc. (Engg.) Examination-2020
Course Code: CSE-716
Course Title: Computer Graphics LAB
Session: 2016-2017

Set-A

- ✓ 1. Write a program for designing simple animation of Circle moving from left to right.
2. Using Bresenham's Line Drawing algorithm, write a program for determining pixel activation list between two given points in order to draw line segment.
- ✓ 3. By using the concept of flood fill algorithm, write a program for filling a given rectangle object with color for 8-connected flood fill.
- ✓ 4. Write a program for generating a curve for a given set of control points.



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Set-B

1. Write a program for designing simple animation of Windmill Rotation.
2. Using Midpoint circle generation algorithm, write a program to generate pixel activation list for drawing a circle with a given center of circle $P(x, y)$ and a radius r .
3. Using certain graphic functions available in C-language for drawing lines, rectangles & circles, write a program which generates pixel activation list for drawing the following simple two dimensional objects:
i) House; ii) Car; iii) Fish.
4. For a given 3D object, write a program to perform translation as a basic transformation.