

# DPBS(PG) College, Anoopshahr

BCA VI Semester

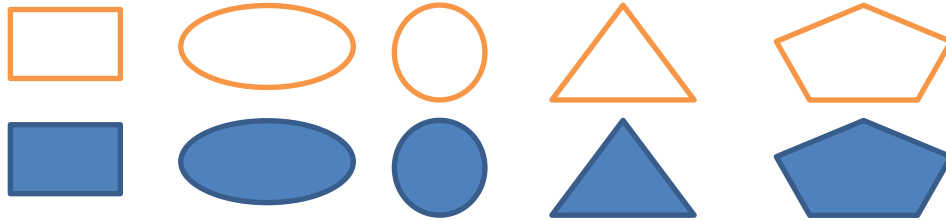
Subject: Practical (Computer Graphics)

Paper Code: 405

## List of Programs (Computer Graphics)

**Note: All programs are to be written in C++.**

1. Write a program to draw basic shapes like:



2. Write a program to draw a pixel on the screen.

3. Write a program to draw a line using DDA Line Algorithm.

4. Write a program to draw a line using Bresenham's Line Algorithm.

5. Write a program to draw a Circle using DDA Circle Generation Algorithm.

6. Write a program to draw a Circle using Bresenham's Circle Generation Algorithm.

7. Write a program to draw basic shapes in different colors.

8. Write a program to draw basic shapes in background color.
9. Write a program to draw a bar chart in different colors.
  
10. Write a program to draw a pie chart in different colors.
11. Write a program to draw different fonts in different styles and colours.
12. Write a program to draw a human face in multicolor.
13. Write a program to draw a Kite in multicolor.
  
14. Write a program to draw an Analog Clock.
15. Write a program to draw an Animated Circles
16. Write a program to draw Blinking Lights
17. Write a program to draw a DX Ball.
18. Write a program to translate a shape on the screen.
19. Write a program to rotate a shape on the screen.
20. Write a program to scale a shape on the screen.
21. Write a program to reflect a shape on the screen.
22. Write a program to shear a shape on the screen.