Computer Graphics Topics for CAT 1 –

1. Computer Graphics definition, Types, Uses, Components and Applications.
2. Frame Buffer, Video Controller.
3. Cathode Ray Tube (CRT), DVST (Different components and their functionalities, Diagram)
4. Raster Scan Display and Random Scan Display
5. DDA and Bresenham’s Line Drawing Algorithm- Algorithm, Analysis and Numericals
6. Midpoint Circle Generation Algorithm – Algorithm, Analysis and Numerical.
7. 2 D Geometric Transformation- Translation, Rotation, Scaling, Composite Transformations (Concept derivation and numerical)