1. <u>Circle drawing Algorithm</u> < 2 equations Derivatives and Dinit

- 2-a Derive to decision and its derivatives Starting from (0,1) and (1,0)
 - b. Write a program to draw the above
 - C- Write dotwn the co-ordinates of last first 10 pixels starting from (80,0)
- 3 Line Drawing Algo/Exact samething
- 4 Homogeneous co-ordinate system
 - @ What is homogenous co-ordinate. Difference between co-ordinate. homogeneous and cartesian co-ordinate system
- 5 Composition Bot Transformation, why required in Computer Graphics.
- G-Derive UXY rotation matrix white white rotating at a point in x axis /y xxis/ z axis
- 7 Rotation of math
- 8. classification of Transformation, based on scaling
 - 9. Polygon filling Algorithm. Make edge table & active edge table.

- 10. Cyrus Beak Cine Clipping Algorithm. Jif you are on a boundary how do you determine that a point is inside or outside a boundary.
- II. Derive T (the intersection value) and make a table of Tof all values edges Ymin, Ymax Theser expans, you have to find all

12. Cohen Sutherland

desinition of region outcode.

- The basic principle of Cohen Sutherland Algorithm. I Region Outcode comple Algorithm - Algorithm For Make Code
- Mid point line Drawing Algorithm - Write an algorithm to determine the zone of How can you make a line Slope depend ...

81. Make a companision bitween RGB and cxy colon model. Be: Algo to convert Plans to HSV and ore RECE to +125. (Maths Buid en rosoto)

52: Elwinimation and threed readel? comparcism global
and break light model. By! Defuse on speculate (bla and mathematics) ?? Defuse - D' Math. # comparission flat and smooth shedding. n petroun Phone and goread shedding # Visible sureface defereranimation 2- buffercing algo on visible surface Les differcence Voctobren 2 and dopth buffers. # Explain visible surface Ray-Transing algo (using) 3-d sherce on object.

Buestion from wave and surface

- Equationally equipmen of paramatorie
 - Dereive the besits montrix of Herrmide
- u v v of Bezirre eune
- (1) What is blending function.
 - Jen my voluer is 1, show that Gores (Harrimide or beiderre Go for tant Gores
 - Then 2 20.
- Or B-splime.
- (VII) segmention of curve or devi subdivision of u of a curve. (Generales Estation of u derive tur byt and Right.

(ii) Origin from the projection plane. 1 simplication of projection of rultux. special copy. Purion on of somered purpose of
the mates