Holl no - 1121028 Subject - Computer Exect A

Ans 1)

include < stdio. h 7
include < graphics. h 7
int main ()
int rou (floot num)

return rum co?num - 0.5: num + 0.5;

3
int x1 = 100, x2 = 250, y1 = 100, y2, =250, stap;
int gd = DETECT, gm;
flood x, y, m;

int dx = x2 - x1;
int dy = y2 - y1;
int dx = x2 - x1;
int dy = y2 - y1;
int dy = y2 - y2;
int dy = y2

```
i-i+graph (& gd, 8 gm, "").
outlerx+xy (x1, y1, "A")
Outhorx+xy (x2,y2, "13");
 pulpixed (x1, y1, RED)
 x= x1,5=51%
 while (stop 79)
 ) y lm < V
     x = x + 1/2
y = y + m/
  y (m7=1)
   x = x +1/m;
y = y+1;
 putpixel (souls), souly), 12 D)
  5 top -- )
geta()
io where
```

DDA Algorithm Stepl + Stood Algorithm Stepz - Declare 41, y1, 42, y2, dr, x,y at integr veriebles. Step 3 - Enter Value ×1, y1, x2, y2 Stepy - Colculate dx = x2-x1 - Colculate dy= y2 - y1 - 7 ABS (dx) 7 ABS (dy) Step 6 Then Step = als (dx) Step 7 - xinc = dv/step yine = dy / step allign x= x1 assign 4 = 41 - Set pixel (x,y) - X = X +xivc Step 3 Set pixels (Roud lx), Rowal Ly)

Step10 - Report Step 9 with x = yz Step11 - End Algorithm.

