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Wilversity RollNo - 1121109
Class RollNo - 28
Course - BCA Sem-6th

Section-B

Paper Name- Computer Geraphics and an maken

Type of papon - Regular Endtern

8 connected Approach. 8 connected Approach.

include < graphics. h>
include < graphics. h>
include < dos. h>
include < como. h>
Void floodfill (int x, inty, intold, intrenscal)

int luvent; current = getfirel (x,y); if (worent == old)

delay(5);
fut fixel (x, y, newcal);
floodfill (x+1, y, eld, newcal);
floodfill (x-1, y, old, newcal);
floodfill (x, y+1, ald, newcal);
floodfill (x, y-1, old newcal);
floodfill (x+1, y+1, old, newcal);
Retikey

```
floodfill (x-1,y+1,old, newcol);
floodfill (x+1,y-1,old, newcol);
floodfill (x-1,y-1,old, newcol);
```

3

3 vaid main 0

int gd = DETECT, gm;

init graph (eqd, &gm, "C: 11 TURBOC 3 (1 BGT");

rectangle (50,50,150,150);

floodfil (70,70,0,15);

getch 0;

closegraph 0;

Rotikg

Algonethin:

Step 1; Start

Step 2! Initialize. The value of seed. Point (x, y, old, new col).

Step3: Define the soundary values.

Stepy: Check if the current read point is of default color than repeat the steps 4 and 5 till the boundary pixels reached.

if (werent = = old)

step 5: Recursively gollowing the

Perocedence floodfill (x,y; fill-colog, old-colon: integer) 31(gespixel (x,y) = old-color)

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setpixel (x, y, fill-color).

fill (x+1, y, fill-color, old-color).

fill (x-1, y, fill-color, old-color).

fill (x, y+1, fill-color, old-color).

fill (x, y-1, fill-color, old-color).

Step 6! STO P

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