END TERM PRACTICAL

Page - D

NAME:- KULDEEP SINGH RANA
FATHER'S NAME:- Mr. CHARAN SINGH RANA
UNIVERSITY ROLL NUMBER:- 1121076
COURSE:- BCA
SECTION:- C
SEMESTER:- VI
PAPER NAME:- COMPUTER GRAPHICS JAB
PAPER CODE:- PBC- GOZ
TYPE OF PAPER:- REGULAR

Que 2:- #include < stdio.h)

#include < graphicsh)

Void drawchele (intxo, int yo, int radius)

int x = vadius; Int y = 0; int en=0; White (x>=y) putplxel (xo+x, yo+y, 7) putpixel (xoty, yotx, 7), putpixel (xo-y, yo+x, 7). Putpixel (x0-X1, 40+4,7), putpixel (x0-x, 40-4, 7) putpixel (x=- 4, 40- x, 7) but pixel (xoty, yo-x, 7); putpixel (xo+ x), yo -4, 7); if (cu <=0) 4+=1; ert = 9xy+1; 3 y (eu>0).

Kuldeelp - 2021 -

en == 2*x+1; int main () int gd = DETECT, gm, crow, x, y, r; pointf (" Enter radius of Circle:"); scanf ("Yd", &x); print f ("Enter Co-ordinates of centre (x 64):"); Scanf ("xd xd", &x, &y); mitgraph (2gd, 2gm, "11); deaucircle (x,y,x); delay (9999999). critican o;

Rudeel June 2021

```
Algorithm
```

Stepl:- Start Algorithm

Stepl:- Start Algorithm

Centre of Circle in front = (x0, y0)

Radius of Circle = R.

Step 3 According to starting point Coordinates (x. y.) as X = ladius Y = 0

Stepy:- Calculate the value of initial decision parameter as - $P_6 = 1 - R$.

Step 5: - Suppose the Current point is (xx, yx) and the next point is (xxx, yx), find next point of first Octant depending on Px.

Case 1: - of en 20. y + = 1 ext + = 2*y + 1; f(ext > 0) f(ext > 0) f(ext > 0) f(ext > 0)

Otep6 of the gaur centre point (No 46) is not (0,0).

Then $\times plot = \times ct \times c$. I 4plot = 4c + 4o.

Step 7: - Keep repeating Step 5 & 6. until Xprot >= 4prot.
Otep 8: - Generates au the points for One Octant.

Ostep9: - Stop.

Kuldeep 2091.