Name Siddharth Rawat Counse-BCA SEM-6th () University Roll-No-11211 43 Subject: (Ch Practical [PBZ-602] 12. Algonithm: Contre point of Circle = (xo, yo) Step 1: Assign the Marting point Co-ordinates (xo, %) as . X. = 0 . Y. = R Step 2: Calculate the value of initial decidor parameter lo as! THE NIMPERS PROPERTY WORKS Po = 1-P Steps: Suppose the Customent point is (xx, /x)
and the meret point is (xx+1, 1) (x+1) find the next point of the first octant depending Point is On the value of decision parameterly. thio Cases:--> /K+1= xx+1 1) Px 20 YK+1 = YK PK+1 = PK + 2 x Xx+1+1

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Step 4: If the Criven Contre point (xo, xo) is not (0,0), then do the following and plood the point Xplot = xc+xo Yploat = Yct Yo Here, (xc, Yc) denotes the current value of X and Y Co-andinates Steps: Keep repeating Step3 and Step4 until Xplood=Yph Step 6: Step 3 Generader all the points for one octant to Find the point of other seven octants, follow the eight Symmetry property of chale. # Indude (Adio.h) #indude {graphes.h? Void drawcircle Cint xo, int yo, int radius) int x = madius: 1'nd y = 0; interpres 0; hihile (x /= y) Putplaced (xo+x, yo+y, +);

Pudpixed (xo-x, yo +y, 7); Putplad (xo-x, yo-y, 7); Put pixel (xo-y, yo-x, T); Putpirel (xoty, yo-x, 7): Putpinel (xotx 140-4,7). if (era L=0) 1451; CAN +=2*4+1; 1 F (enn >0) ext=2*x+1; int gdesirer = DETECT, gmode, euror, 2, y si; part of ("Enter radius: "). scarf ("/·d", fr); Paintf(" Enter co-ordinates of center (x and y):") Scanf (" 1. d y. d", An, Ly);

i nitgraph (Agdriver, Agmode, ""); desaw cirale (2, 4, 2); delay (99999); returno; TOKHEN! id ALAW SAL MANUFACTURE SECRET SAN ASSESSED AND ASSESSED AND ASSESSED ASSESSED.

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NeuTroN DOS-C++ 0.77, Cpu speed: max 100% cycles, Frameskip 0, Program:

Enter radius of circle: 100
Enter co-ordinates of center(x and y): 150
150