Name-Ayush Dhasmana Couxse-BCA 6th A University 2011 no. 1121032

Class will no. 29 Subject-Com. graphics and animation (practical)

Ans 1

# include < stdio. h >
# include < graphics. h >
int main ()

int xou (Hootnum)

keturn num (0? num-0.5: num + 0.5;

? int x1 = 100, x2 = 250, y1 = 100, y2 = 250, step; int gd = DETECT, gm;

Froat X, y, m;

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

m=dyldx;

if(dx>dy)

Step=dx;

else step=dy; initglaph (&gd, &gm,""); outtextxy (x1,y1,"A"); outtextxy (x2,y2,"B");

```
putpixel (x1, y1, RED);
x=x1, y=y1;
while (step > 0)
if (m <1)
(1=<m) 7;
  x= x+1/m;
  9=9+1;
 putpixal (xoucx), xoucy), RED);
getch (1;
  xotumo;
```

Algorithm stepl: Start Algorithm Step2: Daclaxe X1, y1, x2, y2, dx, dy, x, y as integex variables 5 tep3: initialize the value of x1, y1, x2, y2 Stepy: calculate dx = x2-x1 Staps: Calculate dy = y2-y1 Osteps: if dx > dy than step=dx; also step=dy; 5tep7: assign x=x1, y=y1 Step8: Set pixel Cx,y) step9: starting while loop (step>0) it (w<1) than x=x+1; ? = 1+w. and if (m>=1) than x = x+11m; 9=4+13 Steplo: Set pixal (XOUCX), LOUCY))

Step10. Set pixal (xoucx), toucy))

Step11: xopout step9 until x = x2

Step12: End

Name-Ayush Dhasmana
Couxee-BeA 6th A
Subject-Com greyhics and animedian
(practical and term)

Hinclude (stdio.h)

Class soll no. 29 University soll no. 1121632

Ans 3

##include (stdio.h)

##include (gtaphics.h)

int main()

int gd = DETECT, gm;

init graph (8 gd, \$gm,"")

line (0,200, getmaxx(), 200); line (0,360, getmaxx(),360); set colox (WHITE);

Hoodfill (152, 220, WHITE);

\*\*Ectargle (152, 240, 260, 260);

Hoodfill (152, 241, WHITE);

\*\*Ectargle (150, 270, 260, 290);

Hoodfill (152, 271, WHITE);

\*\*Ectargle (150, 360, 260, 320);

Hoodfill (152, 301, WHITE);

\*\*Ectargle (140, 200, 145, 130);

Xectorgle (130,130,155,76); sat colox (RED); Cixcle (142,82,6); Floodfill (142,82, RED); setcolox (YELLOW); Cixcle (142, 100, 6); Hood #11 (142, 100, YELLOW); setcolox (CAREEN); Cixcle (142,118,6); HOOGTIN (143,118, GREEN); Satcolox (WHITE) getch (); closegraph (); seturno;



