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Subject - Computer  
Graphics  
Section - A

Ans 3)

```
#include <graphics.h>
```

```
#include <conio.h>
```

```
#include <stdlib.h>
```

```
main()
```

```
{  
    int gd = DETECT, gm, midx, midy;
```

```
    initgraph(&gd, &gm, "C:\\TC\\BGI");
```

```
    midx = getmaxx() / 2;
```

```
    midy = getmaxy() / 2;
```

```
    setcolor(RED);
```

```
    settextstyle(SMALL_FONT, HORIZ_DIR, 3);
```

```
    settextstyle(CENTER_TEXT, CENTER_TEXT,
```

```
    outtextxy(midx, midy - 10, "Traffic light Simulation");
```

```
    outtextxy(midx, midy + 10, "Press any key to start");
```

```
    getch();
```

```
    cleardevice();
```

```
    setcolor(WHITE);
```

```

set text style (DEFAULT_FONT, HORIZ_DIR, 1);
rectangle (mdx - 30, midy - 80, mdx + 30, midy - 80);
circle (mdx, midy - 50, 22);
set fill style (SOLID_FILL, RED);
floodfill (mdx, mid - 50, WHITE);

set color (GREEN);
out text xy (mdx - 18, midy - 3, "READY");
delay (2000);
clear device ();
set color (WHITE);
rectangle (mdx - 30, midy - 80, mdx + 30, midy + 80);
circle (mdx, midy + 50, 22);
set fill style (SOLID_FILL, GREEN);
floodfill (mdx, mid + 30, WHITE);

set color (GREEN);
out text xy (mdx - 7, midy + 48, "Go");
set color (RED);
set text style (SCRIPT_FONT, HORIZ_DIR, 4);
out text xy (mdx - 150, midy + 100, "Press any key to exit");

get ch ();
close gfx ();
return 0;

```

