

**Year II Semester II**  
**CO2213 – Practical work on CO2223**

- a. Write a Java method declared by `Bresenham(int x0, int y0, int x1, int y1)` to implement the Bresenham's line drawing algorithm, where (x<sub>0</sub>, y<sub>0</sub>) and (x<sub>1</sub>, y<sub>1</sub>) are the extreme end points of the line.  
(10 marks)
- b. Write a Java code to determine the coordinates between the points (2, 15) and (14, 3) by using above mentioned method.
- c. Write a Java method declared by `Bresenham(Graphics g, int x0, int y0, int x1, int y1)` to implement the Bresenham's line drawing algorithm, where (x<sub>0</sub>, y<sub>0</sub>) and (x<sub>1</sub>, y<sub>1</sub>) are the extreme end points of the line.  
(15 marks)
- d. Write a Java coding to create the picture as given below using the line drawing and circle drawing methods. Display them in the center of the screen

