Your assignment must cover the following sections **Marks : 3**

1. A well defined Cover Page
2. Problem Definition and your approach to solve the problem.
3. Solution to each of the problems defined
4. Conclusion of what you learnt from the Assignment.
5. Construct the Context-Free Grammar for the Language **Marks : 15**
   1. over {x, y, b}, which consists of strings properly nested by x and y, divided and surrounded with an arbitrary sequence of “b” (form the chain).
   2. Test the following 2 examples and confirm whether they are accepted or rejected
      1. xbxbbyby ii) bxbxby
6. Construct a FSR for a Language over **A** = {a, b, c, d} which consists of strings that include ‘adcc’. **Marks : 12**
   1. Make a diagram
   2. a transition matrix and
   3. a Regular Grammar