1.The general equation of the Family of Circles is passing through the intersection of $S_1$ and $S_2$ which is given by $S_1 + KS_2 = 0$, where k ≠ -1.

2. Family of a circle passing through two mention points i.e. $A(x_1, y_1)$ and $B(x_2, y_2)$.
The equation of the circle is $(x - x_1)(x - x_2) + (y - y_1)(y - y_2) = 0$

3. Family of Circle Touching the Circle S= 0 and the Line L = 0 at their Point of Contact
The family is given by equation $S + \lambda L = 0$, where $\lambda$ is a required family.