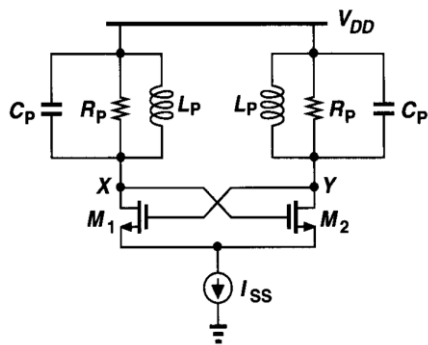


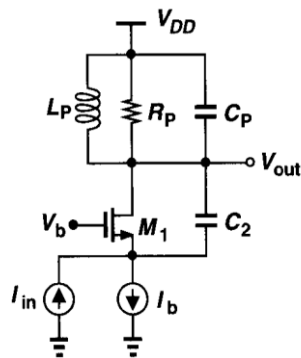
Assignment-5	EE204 - Analog Circuits	1 st April 2019
Submission Deadline-17.00 8th April, 2019.	Submission Protocol: Drop Hardcopy	Comment: Full

1.



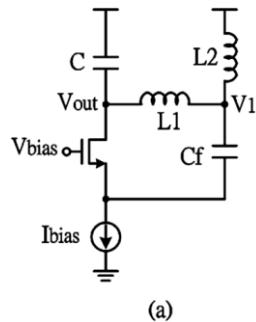
Determine the minimum value of I_{SS} that guarantees oscillation. Estimate the maximum value of I_{SS} that guarantees M_1 and M_2 do not enter the triode region. (5+5)

2.



Consider the Colpitts oscillator shown in left. Find the condition for Oscillation and frequency of oscillation.

3.



Consider the Hartley Oscillator shown in left. Find out the condition and frequency of oscillation.