

**ASSIGNMENT: 3 OP-AMP**

1. Draw the circuit of basic integrator using OP-AMP. What are the problems associated with this configuration? How they are overcome?
2. Derive an expression of voltage gain for closed loop non-inverting OP-AMP.
3. Draw and explain circuit diagram of first order butterworth low pass filter using OP-AMP.
4. What is power amplifier? Give important features of power amplifier circuit.
5. Draw and explain Class B Push Pull Amplifier.