Date:

October 22, 2018

Subject:

Question Formulation 3

- 1. How is an operational amplifier manufactured and why do the internal circuit elements mimic resistors R_i and R_o and the voltage dependant voltage source?
- 2. What are a few applications of a capacitor and the advantages of using a capacitor as opposed to other energy storage elements in a circuit?
- 3. What methods are used to generate alternating current in square, triangle, and sinusoidal waveforms, and what are each's relative advantages?