LINEAR & DIGITAL IC APPLICATIONS LAB

Note: Minimum 12 Experiments have to be conducted(six from each part)

Part – A: Linear IC Applications

1. OP AMP Applications-Adder, Subtractor, Comparator Circuits.
2. Integrator and Differentiator Circuits using IC741
3. Active Filter Applications- LPF, HPF [First Order]
4. IC741 Waveform Generators-Sine, Square wave and Triangular waves.
5. IC 555 Timer-Monostable and AstableMultivibrator Circuits
6. Schmitt Trigger Circuits - Using IC 741
7. Calculation of Capture Range & Lock Range Using IC 565 PLL
8. Voltage Regulator using IC 723.

Part – B: Digital IC Applications

1. Verification of all the logic gates
2. Verification of all Flip-Flops(SR,JK,D&T)
3. Verification of Full adder & Full Subtractor
4. Verification of 4X1 Multiplexer &Demultiplexer
5. Verification of 4-bit Magnitude comparator
6. Verification of2X4 Decoder
7. Verification of4-bit Decade counter
8. Verification ofUniversal Shift Register