LIST OF EXPERIMENTS

ANALOG COMMUNICATION LAB

PAPER CODE : ECC-255

(ECE)

1. Introduction to Communication Lab Trainer Kits and Digital Signal Oscilloscope.

2. Generation of DSB-SC signal using Balanced Modulator for different modulation index values.

3. Calculate modulation index of DSB wave by trapezoidal pattern.

4. To study amplitude demodulation by linear diode detector.

5. To study envelope detector for demodulation of AM signal and observe diagonal peak clipping effect

6. Generation of SSB AM signal.

7. To study AM super heterodyne receiver AM receiver and measurement of receiver parameter viz: sensitivity selectivity and fidelity.

8. To generate a FM Signal using Varactor Modulator.

9. To generate FM Signal using Reactance Modulator.

10. Detection of FM Signal using Phase Locked Loop and Foster Seelay Method.

11. To study pre-emphasis and de- emphasis in FM

12. Generation of phase modulated and demodulated signal.