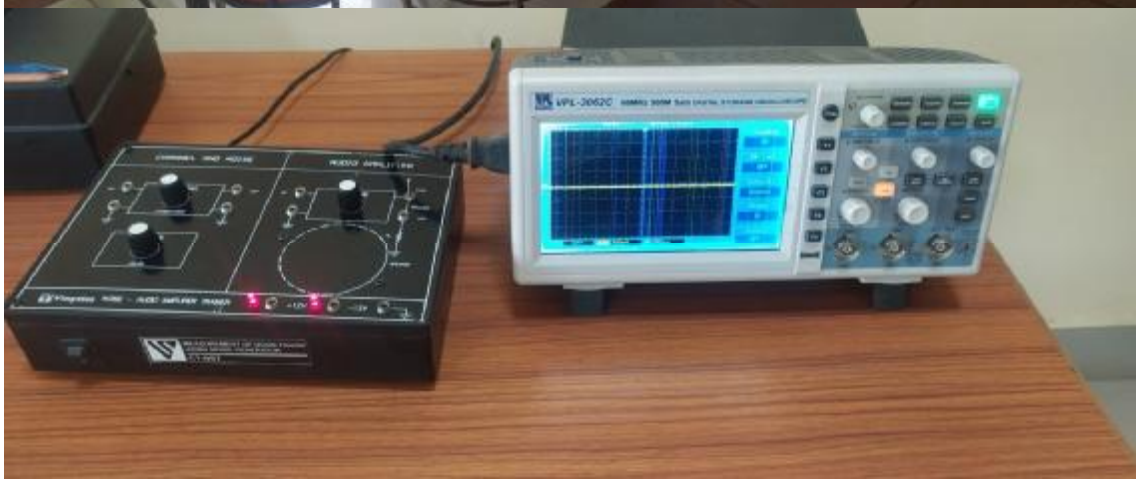
Department: **Electrical Engineering**
Inventory Communication Lab

Sr. No	Product	Product Description	Quantity
1.	Amplitude modulation and trainer kit	Vinytics , In plastic box	2
2.	Amplitude modulation and trainer using transistor	Vinytics , In plastic box	2
3.	Envelop Detector and Demodulation of AM	Vinytics , In plastic box	2
4.	Generation of SSB Signal	Vinytics , In plastic box	2
5.	Frequency Modulation using Voltage control oscillator	Vinytics , In plastic box	2
6.	FM signal using Phase Locked Loop	Vinytics , In plastic box	2
7.	Measurement of Noise Figure using Noise Generator	Vinytics , In plastic box	2
8.	PAM, PPM, and PWM Modulation and Demodulation Trainer	Vinytics , In plastic box	2
9.	Delta and Adaptive Delta modulation	Vinytics , In plastic box	2
10.	Superhetrodyne AM Receiver trainer	Vinytics , In plastic box	2
11.	DSO	VPL infotech, 60 MHz	10

NEC752B: ANALOG AND DIGITAL COMMUNICATION LAB

Note: The minimum 10 experiments are to be performed from the following:
1. To study amplitude modulation using a transistor and determine depth of modulation.
2. To study generation of DSB-SC signal using balanced modulator.
3. To study generation of SSB signal

L T P 0 0 2
4. To study envelope detector for demodulation of AM signal and observe diagonal peak clipping effect.
5. To study super heterodyne AM receiver and measurement of sensitivity, selectivity and fidelity.
6. To study frequency modulation using voltage controlled oscillator.
7. To detect FM signal using Phase Locked Loop.
8. To measure noise figure using a noise generator.
9. To study PAM, PWM and PPM.
10. To realize PCM signal using ADC and reconstruction using DAC and 4 bit/8bit system. Observe quantization noise in each case.
11. To study Delta Modulation and Adaptive Delta Modulation. 12. To study PSK-modulation system.



179
180
181
182
183
184
185
201
202
205