

Name of Lab: Communication Lab
Floor Area: 66 Sq. m.

S.N	Items	Specifications	Make	Qty.
1.	DSB/SSB AM Transmitter Trainer (Model No-ST-2201)	Audio oscillator 300 Hz – 3.4 KHz, Audio O/P, Modulator (455 KHz) Carrier Freq. 1 MHz.	Scientech	01
2.	DSB/SSB AM Receiver Trainer (Model No-ST-2202)	Freq. Range: 525 KHz – 1.605 MHz, Intermediate Freq.: 455KHz, Detectors.	Scientech	01
3.	FM Transmitter/ Receiver Trainer (Model No-ST-2203)	Audio oscillator 300 Hz – 3.4 KHz, FM Modulator, Mixer/Amplifier transmitter O/P Freq. (455 KHz) LPF 3.4 KHz. Cut off Freq.	Scientech	01
4.	Sampling & Reconstruction Trainer (Model No-ST-2101)	Crystal Freq.: 6.4 MHz, On board, Generator: Synchronized 1KHz Sine Wave (5V,PP).	Scientech	02
5.	TDM Pulse Amplitude Modulation / Demodulation Trainer (Model No-ST-2102)	Crystal Freq.: 6.4 MHz, On board, Analog I/P channels: 4, Sampling Rate: 16 KHz/ Channel, LPF 3.4 KHz, Cut off Freq.	Scientech	02
6.	TDM Pulse Code Modulation Transmitter (Model No-ST-2103)	Crystal Freq.: 12 MHz, On board, Analog I/P channels: 2, Multiplexing: TDM	Scientech	02
7.	TDM Pulse Code Modulation/ Receiver (Model No-ST-2104)	I/P channels: 2, TDM serial I/P, LPF: butter worth 4 th order 3.4 KHz. Cut off Freq.	Scientech	02
8.	Delta, Delta Adaptive & Delta Sigma Modulation / Demodulation Trainer (Model No-ST-2105)	Crystal Freq.: 4.098 MHz, Sampling Freq.: 32KHz, 64KHz, 128KHz, 256KHz, LPF 3.4KHz. Cut off Freq.	Scientech	01
9.	Data Formatting & Carrier Modulation Transmitter Trainer (Model No-ST-2106)	I/P: 2 Channel time division Multiplexed Data, Data Formats: N.Z. (L), N.Z. (M) RZ, and AMI, RB Biphase.	Scientech	01
10.	Carrier Modulation & Data Reformatting Receiver Trainer (Model No-ST-2107)	I/P: 2 Channel TDM Multiplexed Data stream, Carrier Modulation: ASK, FSK, PLL, PSK, QPSK 4 th power detector.	Scientech	01
11.	PAM-PPM-PWM Modulation / Demodulation Trainer (Model No-ST-2110)	Pulse Modulation, on board Sampling Freq: 8KHz, 16KHz, 32KHz, and 64KHz. LPF: 4 th order filters.	Scientech	02
12.	Study of Amplitude Modulation & Demodulation (Model No-FM-09)	Carrier signal testing, Study of detector circuit.	Scientech	01
13.	Study of Frequency Modulation & Demodulation (Model No-FM-10)	Study of FM & Frequency demodulation.	Scientech	01
14.	Oscilloscope (CRO) (Model No-ST-251)	4- Trace, 25 MHz	Scientech	01
15.	Function Generator (Model No-ST-4062)	2-MHz AM/FM Function – Pulse Generator	Scientech	02