

2.17 40108 COMMUNICATION SYSTEM

UNIT-1 NETWORKS, ANTENNA AND PROPAGATION

- 1.1 N/w Characteristics, Z_{oc} , Z_{sc} of T & JI N/w, Z_{i1} , Z_{i2} of T & L N/w
- 1.2 Equalizers, Attenuators, Filters, TX Line
- 1.3 Antennas
- 1.4 Wave Propagation

UNIT-2 AMPLITUDE MODULATION

- 2.1 Modulation
- 2.3 Amplitude modulation
- 2.4 AM Transmitter
- 2.5 AM Receiver

UNIT-3 ANGLE AND PULSE MODULATION

- 3.1 FM
- 3.2 FM Transmitters & Receivers
- 3.3 PM
- 3.4 Pulse Modulation

UNIT-4 AUDIO SYSTEMS

- 4.1 Microphones
- 4.2 Loud speakers
- 4.3 Audio recording
- 4.4 Audio reproduction

UNIT-5 TELEGRAPH AND TV FUNDAMENTALS

- 5.1 Telegraphy
- 5.2 Monochrome Television
- 5.3 Colour TV
- 5.4 Principles of Handy cam, LCD projector, CCTV and cable TV

Reference Books:

1. Networks lines and fields by John D.Ryder, PHI
2. Electronic communication Systems by Kennedy, TMH
3. TV and Video Engineering by Arvind M.Dhake ,TMH
4. Electronic Communication by Dennis Roddy and John colen, PHI
5. Radio Engineering by Terman, MGH