

AMSD11 SOUND REPRODUCTION SYSTEMS

UNIT-1 TAPE RECORDING

- 1.1 Introduction- Magnetic theory- The physics of magnetic recording- Bias-
- 1.2 Equalization- Tape speed- Speed stability- Recording formats – analogue machines.

UNIT-2 RECORDING CONSOLES

- 2.1 Introduction- Standard levels and level meters- Standard operating levels and line-up tones- Digital line-up- Sound mixer architecture and circuit blocks
- 2.2 Audio mixer circuitry- Mixer automation- Digital consoles- Note

UNIT-3 VIDEO SYNCHRONIZATION

- 3.1 Introduction- Persistence of vision- Cathode ray tube and raster scanning- Television signal- Colour perception- Colour television- Analogue video interfaces
- 3.2 Digital video- Embedded digital audio in the digital video interface- Timecode

UNIT-4 ROOM ACOUSTICS

- 4.1 Introduction- Noise Control- Studio and Control Room Acoustics

Reference Book:

- 1. Sound Reproduction: The Acoustics and Psychoacoustics of Loudspeakers and Rooms (Audio Engineering Society Presents) Hardcover – Import, 20 September 2017 by Floyd E. Toole (Author)

