

AMSD10 MICROPHONE AND LOUDSPEAKER TECHNOLOGY

UNIT-1 MICROPHONE TECHNOLOGY

- 1.1 Microphone Sensitivity- Microphone Selection- Nature of Response and Directional Characteristics- Wireless Microphones
- 1.2 Microphone Connectors, Cables, and Phantom Power- Measurement Microphones

UNIT-2 LOUDSPEAKERS

- 2.1 Radiation of Sound- Characteristic Impedance- Radiation Impedance- Radiation from a Piston- Directivity- Sound Pressure Produced at Distance r -
- 2.2 Electrical Analogue- Diaphragm/Suspension Assembly- Diaphragm Size-
- 2.3 Diaphragm Profile- Straight-Sided Cones- Material- Soft Domes- Suspensions- Voice Coil- Moving Coil Loudspeaker- Motional Impedance

UNIT-3 LOUDSPEAKER ENCLOSURES

- 3.1 Loudspeakers- The interrelation of components

UNIT-4 HEADPHONES

- 4.1 A Brief History- Pros and Cons of Headphone Listening- Headphone Types- Basic Headphone Types- Measuring Headphones- The Future

Reference Books:

- 1. The Microphone Book- John Eargle- Taylor & Francis, 2004 - Music - 377 pages

