

**Electronics and Communication Engineering Department**

**Subject Name: - Audio Video Systems**

**Subject Code: - 2151101**

**Assignment 2**

1. What is the meaning of the following terms pertaining to sound?
  - (i) Loudness
  - (ii) Pitch
  - (iii) Phon
  - (iv) Sone
  - (v) Reverberation
  - (vi) Threshold of hearing
  - (vii) Timbre
2. List the microphones and loudspeakers used in audio devices.
3. Explain the working principle of Capacitor (or Condenser) Microphone with the help of neat sketch. Write its characteristics and applications.
4. Explain the working principle of Ribbon Microphone with the help of neat sketch. Write its characteristics and applications.
5. Explain the working principle of Carbon Microphone with the help of neat sketch. Write its characteristics and applications.
6. Give the comparisons of various types of microphones.
7. Explain Briefly : Woofers and Tweeters.
8. Draw the circuit diagram of the class B push pull amplifier And explain it.
9. Explain the significance of Cross Over Network.
10. Explain the working principle of Electrodynamic loudspeaker with the help of neat sketch. Write its characteristics and applications.
11. Explain the working principle of indirect radiating type loudspeaker with the help of neat sketch. Write its characteristics and applications.
12. Explain the various types of recording techniques.
13. Explain the high fidelity systems.
14. Give the comparisons between cone type and horn type loudspeakers.
15. Write a short note on PA system.

➤ **Compulsory clearly mention question number.**

➤ **Write in sequence.**

**Last Date of submission: 13<sup>th</sup> August 2018**

**(After last date requires to write down 2 times)**