

End Semester Examinations - 2015-16 Even Semester - May 2016

14MT2003 Audio Engineering

Set B

Time : 3 hrs
Total Marks: 100

1. Write short notes on:

- i) Loudness Perception of human ear (10)
- ii) Spatial Perception of human ear (10)

OR

2. Discuss in detail how sound waves behave with various types of acoustic surfaces. Explain also about the reflection, diffraction and refraction of sound.

3. Write short notes on:

- i) Dynamic Microphone (5)
- ii) Condensor Microphones (5)
- iii) Polar patterns of microphones (10)

OR

4. Classify microphones according to Ease of use. Explain in detail their type of construction, polar patterns preferred and applications.

5. List down the various specifications of an amplifier and explain them in detail.

OR

6. What are the basic needs of a low frequency drivers? What are the different types of loudspeaker enclosures? Explain them and discuss their differences and application.

7. a) Write short notes on:

- i) Split line mixer (5)
- ii) Inline mixer (5)
- b) List down and explain in detail the various features in a single track of an analog console. (10)

OR

8. List down the various types of Equalizers used in live sound. Explain them in detail and give suitable example of the same.

9. Explain in detail with suitable architectural diagram the conversion of an analog audio to digital audio.

Wishing you All the Best
