Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **16MT2004** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PRINCIPLES OF AUDIO ENGINEERING** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | List out the types of transducers which acts as a source of audio production. | CO1 | 15 |
| b. | Discuss the importance of mixer boards. | CO1 | 5 |
| (OR) | | | | |
| 2. | a. | Discuss on the connectors and cables in audio and briefly explain their working along with diagrams. | CO1 | 20 |
|  |  |  |  |  |
| 3. | a. | List out the pickup patterns of microphones in detail with their diagrams. | CO1 | 15 |
|  | b. | Elaborate on amplifier and power amplifier. | CO2 | 5 |
| (OR) | | | | |
| 4. | a. | Justify, how does hearing impact in audio engineering? | CO1 | 10 |
|  | b. | Summarise on Equalizer. | CO2 | 10 |
|  |  |  |  |  |
| 5. | a. | Discuss on the types of Audio Consoles. | CO2 | 10 |
|  | b. | Differentiate Full Range speaker with Crossover. |  | 10 |
| (OR) | | | | |
| 6. | a. | Elaborate on the working of transducers which converts electrical signals to acoustic signals and illustrate their construction. | CO2 | 10 |
|  | b. | Summarize on Low Frequency horns. | CO2 | 10 |
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| 7. | a. | Discuss your understanding on audio quality based on their bit rate and sample rate. | CO3 | 20 |
| (OR) | | | | |
| 8. | a. | Elaborate on live audio production and discuss the important principles to be followed during the setup. | CO3 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Discuss the principles followed in editing digital audio. | CO2 | 20 |