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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec - 2017**

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| **Code :** | **14MT2025** | **Duration :** | **3hrs** |
| **Sub. Name :** | **INTRODUCTION TO DIGITAL AUDIO** | **Max. marks :** | **100** |

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

|  |  |  |  |
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| Q. No. | Questions | Course  Outcome | Marks |
| 1. | Explain in detail about envelope of sound. | CO1 | 20 |
| (OR) | | | |
| 2. | Explain in detail about compressors and their applications. | CO1 | 20 |
|  |  |  |  |
| 3. | Differentiate between analog and digital mixing consoles. | CO1 | 20 |
| (OR) | | | |
| 4. | Explain in detail about the M32 mixer. | CO2 | 20 |
|  |  |  |  |
| 5. | Explain in detail about DANTE. | CO2 | 20 |
| (OR) | | | |
| 6. | Explain in detail about MADI. | CO2 | 20 |
|  |  |  |  |
| 7. | Explain the different errors that occur in analog to digital audio conversion and how they can be rectified. | CO1 | 20 |
| (OR) | | | |
| 8. | What is dither? Explain the process of dithering, where it is used and it's benefits at different stages of the digital audio workflow. | CO1, CO2 | 20 |
|  |  |  |  |
|  | **Compulsory:** |  |  |
| 9. | Explain the process of Loud speaker-Amplifier matching in detail. | CO2 | 20 |

ALL THE BEST