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



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

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| **Code :** | **14VC2050** | **Duration :** | **3hrs** |
| **Sub. Name :** | **LIVE SOUND** | **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 the parts of a typical live sound reinforcement setup. Draw the signal flow diagram. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Explain with diagrams the various Mono Miking and Stereo Miking techniques. | CO2 | 20 |
|  |  |  |  |  |
| 3. | a. | Draw the layout and explain the working of an analog and digital mixer. | CO1 | 20 |
| (OR) | | | | |
| 4. | a. | List and explain the various parameters one will find in the specification sheets of an amplifier while selecting the right configuration for the LSR setup. | CO3 | 20 |
|  |  |  |  |  |
| 5. | a. | With miking diagrams, outline the choice of locations for miking an Acoustic Guitar, Bass Guitar and Piano. | CO2 | 20 |
| (OR) | | | | |
| 6. | a. | List all the different types Cables and connectors along with their pin diagrams and applications. | CO1 | 10 |
|  | b. | List the equipment required to record a drum kit. Defend your choice of equipment. | CO1 | 10 |
|  |  |  |  |  |
| 7. | a. | Explain the process of Mixing a small live concert with a band setup of vocals, Lead and Bass guitar, Drums and Keyboard. | CO2 | 10 |
|  | b. | Describe the process of ringing, setting up monitors and handling feedback in a LSR setup. | CO3 | 10 |
| (OR) | | | | |
| 8. | a. | Assuming that you were an Audio consultant for Karunya, draw a LSR proposal for the coming Christmas megaplay 2019 to be happening in Dr.DGS Dhinakaran Auditorium. Defend your choice of equipment. | CO1 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Describe the stages of calibrating speakers in an LSR. | CO2 | 10 |
|  | b. | Differentiate a Line array System with regular outdoor PA. | CO3 | 10 |