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



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

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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.** |  | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Classify the different types of input transducers used for Live sound and enlist their merits and demerits. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Elaborate on the different types of consoles used in live sound and analyze their pros and cons. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Explain in detail about gates and their use in live sound. Enlist model numbers of gates that are commonly in use. | CO2 | 20 |
| (OR) | | | | |
| 4. |  | Explain in detail about the different methods of removing sibilant sounds from audio. | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | Expound upon the different hardwares available for equalization, their merits and demerits. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Prescribe the equipments required and draw the signal flow diagram to provide sound for a live concert with the following specifications.   1. A microphone for the lead singer 2. 1 acoustic guitar 3. 2 electric guitars 4. 1 bass guitar 5. A 9 piece drum kit 6. A rock organ 7. 4 Microphones for the backing vocals. 8. Separate monitors for all the people on stage. 9. Necessary amps and speakers for an open air venue that can house 500 people in the audience 10. A means to record the event in multitracks. | CO3 | 20 |
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| 7. |  | Classify the different types of Microphone pre amplifiers and enlist their uses. Mention examples and enlist their characteristics. | CO3 | 20 |
| (OR) | | | | |
| 8. |  | Enlist the importance of impedance matching in loudspeakers and power amplifiers. Explain the different methods in which impedance can be matched when connecting more than 2 speakers to a power amp. | CO3 | 20 |
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|  | | **Compulsory**: |  |  |
| 9. |  | Explain in detail about Digital Audio Network Through Ethernet formulated by Audinate. | CO3 | 20 |

ALL THE BEST