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



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

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|  |  |  |  |
| **Code :** | **14VC2005** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SOUND: THEORY AND PRODUCTION** | **Max. Marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Explain the working of human ear with a neat diagram. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Discuss in detail:   1. Loudness perception of human ear. 2. Spatial perception of human ear. | CO1 | 10  10 |
|  |  |  |  |  |
| 3. |  | Write notes on Classification of Microphones based in its constuction. | CO1 | 20 |
| **(OR)** | | | | |
| 4. |  | Elaborate on the types of Miking Techniques for instruments. | CO2 | 20 |
|  |  |  |  |  |
| 5. | a. | Write short notes on Low, High and Mid frequency drivers. | CO2 | 10 |
| b. | Explain the process of matching a loudspeaker with amplifier. Give suitable example for the same. | CO2 | 10 |
| **(OR)** | | | | |
| 6. |  | List out and explain different types of crossovers with detailed diagram. | CO2 | 20 |
|  |  |  |  |  |
| 7. | a. | Define an audio Mixing console. How are they classified? | CO2 | 10 |
| b. | List out different types of Equalizers used in a mixer. | CO2 | 10 |
| **(OR)** | | | | |
| 8. |  | List 4 audio signal processors and explain their working in detail. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Design your own home recording studio with a neat layout and list the equipments. | CO3 | 20 |