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

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**End Semester Examination – Nov/Dec 2018**

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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.** |  | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Discuss in detail:   1. Loudness perception of human ear. 2. Spatial perception of human ear. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | With a neat diagram classify microphones according to their construction and explain their features in detail. | CO2 | 20 |
|  |  |  |  |  |
| 3. |  | With a neat diagram classify microphones according to their application and explain their features. | CO2 | 20 |
| (OR) | | | | |
| 4. |  | List down all the specification critical to be considered before deciding to purchase a Loudspeaker. Explain each of that specification in detail. | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | Explain the process of matching a loudspeaker with amplifier. Give a suitable example for the same. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | List any four dynamic range processors and explain their working in detail. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Mention all the features available on a single channel of an analog audio miser and explain their features in detail. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Mention any 5 types of Equalizer and explain their working and features in detail. | CO2 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Discuss the method of converting Analog audio into Digital Audio in detail with neat pictorial representations. | CO3 | 20 |