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 – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **14MT2028** | **Duration :** | **3hrs** |
| **Sub. Name :** | **Computer Based Music 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. | a. | Discuss with proper illustration on the setup of an amateur level audio studio. Justify the selection of hardware and software in it. | CO1 | 15 |
| b. | Compare and contrast on Mac and Windows for music production. | CO3 | 5 |
| **(OR)** | | | | |
| 2. | a. | Explain on the considerations in selecting the right sound card. Explain on the distinct features in sound cards. | CO1 | 15 |
| b. | What is the difference between firewire and USB interface? Explain on the different firewire types. | CO3 | 5 |
| 3. | a. | Discuss the hardware setup employed in music production using MIDI. | CO1 | 15 |
|  | b. | What are the various MIDI specification? | CO3 | 5 |
| **(OR)** | | | | |
| 4. | a. | Explain in detail on the different types of connectors used in music production with illustration. | CO2 | 15 |
|  | b. | Draw the connection diagram of a simple MIDI setup. | CO3 | 5 |
| 5. | a. | Explain in detail on the process of creating and editing midi tracks. | CO2 | 15 |
|  | b. | Explain on the Opto-Isolation in MIDI circuits. | CO3 | 5 |
| **(OR)** | | | | |
| 6. | a. | Elaborate on the process of analogue audio recording, editing, mixing and mastering. | CO2 | 15 |
|  | b. | How does tape width influence analogue audio recording? | CO3 | 5 |
| 7. | a. | Explain the process incolved in mixing a audio session. | CO2 | 15 |
|  | b. | What is quantization error? How can it be eliminated? | CO3 | 5 |
| **(OR)** | | | | |
| 8. | a. | Explain in detail on the process of mastering a audio session. | CO2 | 15 |
|  | b. | How does tape width influence analogue audio recording? | CO3 | 5 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Why analogue recording is still used in live sound recording in movies? Compare and contrast on analogue Vs Digital sound recording. | CO1 | 15 |
|  | b. | What is the cause of audio distortion in tape? How it can be eliminated? | CO2 | 5 |

ALL THE BEST