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 – April/May– 2017**

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| **Code :** | **14CS3057** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MULTIMEDIA DATABASE** | **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. | Elaborate on various multimedia data types and formats with suitable example. | CO1 | 16 |
| b. | Identify the requirement of the MIRS. | CO1 | 4 |
| (OR) | | | | |
| 2. |  | Elucidate expected capabilities and common applications areas of MIRS. | CO1 | 20 |
| 3. | a. | Elucidate on various multimedia database design issues. | CO2 | 14 |
|  | b. | Recall the architecture of MIRS. | CO2 | 6 |
| (OR) | | | | |
| 4. |  | Explain how documents and queries are represented and how similarity between documents and queries is calculated? | CO2 | 20 |
| 5. |  | Describe a general approach to content-based audio indexing and retrieval. Justify the approach you described. | CO3 | 20 |
| (OR) | | | | |
| 6. |  | Illustrate the different Approaches to Image Indexing and Retrieval. | CO2 | 20 |
| 7. |  | Describe three common compact video representation methods. Discuss their suitability in differentapplication scenarios. | CO3 | 20 |
| (OR) | | | | |
| 8. |  | Discuss the similarities and differences between WWW multimedia search engines, digital libraries and video-on-demand systems. | CO3 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | List out the main approaches to multimedia information indexing and retrieval? Discuss the strengths and weaknesses of each of these approaches. | CO2 | 20 |

ALL THE BEST