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 | 14 |
| b. | Identify some of the usefulness ofAnnotation-Based Queries. | CO2 | 3 |
| c. | Define Metadata-Based Queries. | CO2 | 3 |
| (OR) | | | | |
| 2. | a. | Elucidate various multimedia database design issues. | CO2 | 14 |
| b. | How MIRS assists police officers in providing security? | CO2 | 3 |
| c. | Specify the Applications of MIRS in the field of medicine. | CO2 | 3 |
| 3. | a. | Discover various usefulness of WWW search engines in Information retrieval. | CO1 | 14 |
|  | b. | Draw the structure of Automatic Speech Recognition system. | CO1 | 3 |
|  | c. | What is Content-based audio indexing and retrieval? | CO2 | 3 |
| (OR) | | | | |
| 4. | a. | Analyze various methods of video information retrieval process by providing suitable example. | CO1 | 14 |
|  | b. | Illustrate the Main Characteristics of Speech and Music. | CO2 | 3 |
|  | c. | Describe Cluster-Based Retrieval. | CO2 | 3 |
| 5. | a. | Discuss the proposed network architecture of multimedia systems | CO3 | 10 |
|  | b. | Elucidate the Measurement ofEffectiveness in Multimedia Information Retrieval. | CO3 | 10 |
| (OR) | | | | |
| 6. |  | Analyze the variousProducts of Multimedia Database Management Systems with suitable real-time example. | CO2 | 20 |
| 7. |  | Illustrate various network requirement of multimedia with suotable diagrams. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Summarize the various transport portocols used for efficient multimedia data communication. | CO2 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | Summerie the security issues in multimedia by highlighting various solutions available to enhance the security. | CO3 | 20 |

ALL THE BEST