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 :** | **14CS3002** | **Duration :** | **3hrs** |
| **Sub. Name :** | **Multimedia Design Storage and Analysis** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | What benefits are offered by compression schemes in desining multimedia systems?Explain about CCITT compression schemes | CO1 | **20** |
| **(OR)** | | | | |
| 2. |  | Compare and contrast JPEG and MPEG.Explain JPEG compression scheme with example. | CO1 | **20** |
| 3. |  | Describe a multimedia application used in the University.Describe what activities can be added which will benefit the university. | CO1 | **20** |
| **(OR)** | | | | |
| 4. | a. | Why are Levels 2 and 4 of the RAID standards not used very frequently for commercial systems? How would you improve upon RAID Level5?How do these improvements impact the cost structure of these drives? | CO1 | **10** |
|  | b. | Explain where and why you would use magnetic storage in multimedia system. | CO1 | **10** |
| 5. |  | Draw and explain cache management for storage system. | CO1 | **20** |
| **(OR)** | | | | |
| 6. | a. | Discuss in detail about Virtual reality design. | CO1 | **10** |
|  | b | List and explain distributed application design issues. | CO2 | **10** |
| 7. | a. | Write short notes on Video Structure Analysis. | CO2 | **10** |
|  | b. | ExplainVideo Content Representation. | CO2 | **10** |
| **(OR)** | | | | |
| 8. |  | Explain in detail about Content-based Video Retrieval and Browsing. | CO2 | **20** |
|  | | **Compulsory:** |  |  |
| 9. |  | Explain in detail about MPEG-7 multimedia content description standard. | CO2 | **20** |

ALL THE BEST