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 – 2017**

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|  |  |  |  |
| **Code :** | **14CS3053** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DATA WAREHOUSE** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Discuss the challenges of naturally evolving architecture and explain how Granularity permeates the entire architecture that surrounds the data warehouse environment. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Explain the Data warehouse and Data Models with relavent casestudies. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Illustrate the different technological requirements required to design the data warehouse which supports big data business environment. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Is there a critical need for distributed data warehouse? why? Give a detailed explanation. | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | The data warehouse is capable of holding much more than internal, structured data. Justify your answer. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Define granularity and explain how will you determine the appropriate level of granularity of your Data Warehouse. Explain the levels of granularity in banking environment with neat diagram. | CO3 | 20 |
|  |  |  |  |  |
| 7. |  | Discuss in detail the unstructured data and its relevance with data warehouse. | CO1 | 20 |
| (OR) | | | | |
| 8. |  | Elaborate the impact of disk storage in the face of data separation. | CO2 | 20 |
|  | |  |  |  |
|  | | **Compulsory:** |  |  |
| 9. | a. | Compare and contrast the relational model with multidimensional model. | CO1 | 10 |
|  | b. | Explain the concept of data mart and role of snow flake structures in Database design. | CO1 | 10 |

ALL THE BEST