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 :** | **14BT3014** | **Duration :** | **3hrs** |
| **Sub. Name :** | **RESEARCH METHODOLOGY** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Illustrate in detail about the importance of measurement scales, classification and its impact on research. | CO2 | 20 |
| (OR) | | | | |
| 2. |  | Outline in detail about the importance of sample design and its types with suitable examples. | CO2 | 20 |
| 3. |  | List importance and different methods of data collection in research. | CO2 | 20 |
| (OR) | | | | |
| 4. |  | Illustrate the importance of correlation analysis in determining the relationship of two variables involved in experiment with suitable examples. | CO1 | 20 |
| 5. | a. | Explain the importance and methods of calculations of Impact factor of journals in modern research. | CO3 | 10 |
|  | b. | What are the steps involved in Report writing and explain it with suitable examples. | CO3 | 10 |
| (OR) | | | | |
| 6. |  | List the various steps involved in thesis writing with necessary examples. | CO3 | 20 |
| 7. |  | Explain in detail about national regulations of human and animal research and its ethics with suitable examples. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Elaborate in detail the different levels of bio-safety and its importance in modern research in biotechnology. | CO3 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | Exaplin in detail about various steps involved in research process. | CO2 | 20 |

ALL THE BEST