Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **14BT2046** | **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 the procedure of formulation of research problem for successful implementation of a research project | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Outline the classification of population and analyze the steps involved in sampling . | CO1 | 20 |
|  |  |  |  |  |
| 3. | a. | List out the steps involved in good research design with suitable examples. | CO1 | 10 |
| b. | Discuss on the various types of research. | CO1 | 10 |
| (OR) | | | | |
| 4. |  | Demonstrate the basic principles of experimental designs with random replication design as an example. | CO1 | 20 |
|  |  |  |  |  |
| 5. |  | Summarize the role of statistics in research with specific reference to Analysis of Variance (ANOVA). | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Report the various types of sampling methods applied in any research design with appropriate examples. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Compile the prime factors influencing the structured writing pattern for a thesis. | CO3 | 10 |
| (OR) | | | | |
| 8. | a. | Comment on various report types and its mechanics. | CO3 | 10 |
| b. | Enumerate the ways by which primary data collection is carried out for research and analysis. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Generalize the various steps involved in manuscript writing and state its significance in quality publication of any research data. | CO3 | 20 |