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



**End Semester Examination – Nov / Dec – 2019**

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|  |  |  |  |
| **Code :** | **14BT2046** | **Duration :** | **3hrs** |
| **Sub. Name :** | **RESEARCH METHODOLOGY** | **Max. Marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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. |  | Describe Randomised design and contrast with Factorial Design. | CO2 | 20 |
|  |  |  |  |  |
| 3. |  | Report the various types of sampling methods applied in any research design with appropriate examples. | CO2 | 20 |
| **(OR)** | | | | |
| 4. |  | Narrate the classification of population and analyze the steps involved in sampling. | CO1 | 20 |
|  |  |  |  |  |
| 5. | a. | List the steps involved in good research design with suitable examples. | CO1 | 10 |
| b. | Discuss the various types of research. | CO1 | 10 |
| **(OR)** | | | | |
| 6. |  | Summarize the role of statistics in research with examples in reference to Analysis of Variance (ANOVA). | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Analyze the classification of biosafety aspects in biological research with its significance. | CO3 | 20 |
| **(OR)** | | | | |
| 8. | a. | Illustrate the prime factors influencing the structured writing of a thesis. | CO3 | 10 |
| b. | Comment on various report types and its mechanism. | CO3 | 10 |
|  | | **Compulsory**: |  |  |
| 9. |  | Generalize the various steps involved in manuscript writing and state its significance in quality publication of any research data. | CO3 | 20 |