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

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

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| **Code :** | **17CR2013** | **Duration :** | **3hrs** |
| **Sub. Name :** | **RESEARCH METHODOLOGY AND STATISTICS IN CRIMINOLOGY AND POLICE ADMINISTRATION** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Write a short note on Review of Literature? | CO2 | 5 |
| b. | Distinguish between census and sample survey? | CO2 | 5 |
| c. | Elaborate ‘Analysis of Variance’ (ANOVA)? | CO3 | 5 |
| d. | Explain Regression in Statistics? | CO3 | 5 |
| (OR) | | | | |
| 2. | a. | Write a short note on Standard deviation? | CO3 | 5 |
| b. | Write a short note on Correlation in Statistics? | CO3 | 5 |
| c. | Explain the difference between hypothesis and research question? | CO2 | 5 |
| d. | Discuss the major characteristics of a good sample? | CO2 | 5 |
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| 3. | a. | Define variable in a research? Illustrate Independent and Dependent Variables? | CO2 | 10 |
| b. | Define research design? Explain different types of research designs? | CO3 | 10 |
| (OR) | | | | |
| 4. | a. | Elaborate the significance of the research in the field of Criminology and Police Administration? | CO1 | 10 |
| b. | Explain briefly about research process? | CO2 | 10 |
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| 5. | a. | Illustrate the various tools employed for data collection in social science research? | CO1 | 10 |
| b. | Define central tendency in statistics? Elaborate three main measures of central tendency? | CO3 | 10 |
| (OR) | | | | |
| 6. | a. | Explain elaborately about primary data and secondary data in social science research? | CO2 | 10 |
| b. | Write a short note on the significance of interpretation in research? | CO2 | 10 |
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| 7. | a. | Explain the various steps in writing report in research? | CO2 | 10 |
| b. | Explain scales of measurement? Elaborate various scaling techniques in research? | CO1 | 10 |
| (OR) | | | | |
| 8. | a. | Write a short note on the significance of report writing in research? | CO3 | 10 |
| b. | Illustrate the various tools employed for data collection in social science research? | CO3 | 10 |
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| **Compulsory** | | | | |
| 9. |  | Explain Sampling in research? Elaborate different types of sampling techniques in Social Science research? | CO2 | 20 |