

QP Code: 102318

Reg. No.....

**M. Phil Clinical Psychology Part I Supplementary Examinations
February 2019**

Paper II: Statistics and Research Methodology

Time: 3 hrs

Max. Marks: 70

- **Answer all the questions**

Long Essays

(4x14=56)

1. Explain the concepts of type 1 and type II errors in testing of hypothesis with proper examples. Discuss the power of the test.
2. The table shows the average anxiety scores found by a researcher among 13 males and 12 females. Perform an 'independent sample t-test' to find out, whether there is any significant difference in anxiety score between the males and females (at 5% level of significance).

Groups	Average Anxiety Score
Males (n=13)	8.3 ± 2.1
Females (n=12)	7.9 ± 1.7

3. Discuss the different measures of central tendency. Explain the advantages and disadvantages of each measure.
4. Discuss the various types of data with adequate examples

Short Essays:

(2x7=14)

5. Normal distribution / normal curve
6. Stratified sampling and cluster sampling
