

QP Code: 102318

Reg. No.....

**M. Phil Clinical Psychology Part I Supplementary Examinations  
February 2020**

**Paper II: Statistics and Research Methodology**

Time: 3 hrs

Max. Marks: 70

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

**Long Essays**

**(4x14=56)**

1. Explain the methods of presentation of data
2. The following table shows scores of an anxiety test among 5 males and 5 females calculate the coefficient of variation to check which group has more percentage of variation.

Males (n=5)	9.0, 6.3, 4.2, 7.0, 3.0
Females (n=5)	7.1, 8.0, 9.3, 3.1, 4.9

3. A study was carried out to find the effectiveness of a treatment given to people suffering from Anorexia nervosa. The body weight (in kilo grams) of 12 subjects were measured before and 2 months after the treatment. Test whether there is any significant difference in weight before and after the treatment, using a 'paired t test' at 5% level of significance

Patient No.	1	2	3	4	5	6	7	8	9	10
Weight Before Treatment (in Kgs)	70	54	58	93	78	84	60	77	9	76
Weight After Treatment (in Kgs)	75	60	68	98	83	89	65	78	95	80

4. Discuss various measures of dispersion with adequate examples

**Short Essays:**

**(2x7=14)**

5. Application of statistics in clinical psychology
6. Parametric tests used in testing of hypothesis

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