

QP Code: 102318

Reg. No.....

M. Phil Clinical Psychology Part I Examinations September 2018

Paper II: Statistics and Research Methodology

Time: 3 hrs

Max. Marks: 70

- **Answer all the questions**

Long Essays

(4x14=56)

1. A study was conducted to find out the association between smoking and depression and the following data was obtained

	Depressed	Not Depressed	Total
Smokers	23	46	69
Non Smokers	40	24	64
Total	63	70	133

Check whether there is any association between smoking and depression, using a chi square test. (Chi-square table value = 3.84 at 1 degree of freedom)

2. Discuss different sampling methods. Comment about sampling error.
3. Explain the concepts of correlation and regression with adequate examples.
4. The given data shows the SBP (systolic blood pressure) values of 7 subjects showing bipolar disorder reported in a hospital. Find out the arithmetic mean, median, mode & SD of SBP.

SBP (in mmHg)	120, 110, 135, 149, 120, 100, 130
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Short Essays:

(2x7=14)

5. Analysis of variance (ANOVA)
6. Case control study and cohort study
