

**Q.P.Code: 101377**

**Reg. No.:.....**

First Year MASLP Degree Supplementary Examinations - May 2014

**STATISTICS AND RESEARCH METHODS**

**Time : 3 hrs**

**Max marks : 80**

- Answer all questions.

**Essays**

**(5x16=80)**

1. Enumerate the different methods used in the measures of central tendency. Explain why there is more than one method for measuring central tendency (8+8)
2. Discuss MANOVA. Explain the need for multivariate analysis in analysing research problems (16)
3. The data for maternal age and incidence of Down's syndrome is as follows. Find out the correlation using Pearson's correlation (16)

Age	18	22	27	32	37	42	47
% of DS	0.04	0.06	0.08	0.11	0.34	0.98	2.17

4. Draft a research proposal to study the effect of age on voice (16)
5. Define sampling and mention the types of sampling. Explain the principle of randomization ( 8+8)

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