

- Q.P.Code: 101377

Reg. No.:.....

First Year MASLP Degree Examinations - November 2012

STATISTICS AND RESEARCH METHODS

Time: 3 hrs

Max marks : 80

- Answer all questions.

Essays

(5x16=80)

1. Define variability and mention the different measures of variability. Blood serum cholesterol levels of 10 persons are as follows.

240	260	290	1245	255	288	1272	263	1277	1251
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Calculate the standard deviation with the help of assumed mean (8+8)

2. Define analysis of variance. Mention the implications of analysis of variance in research particularly in the field of speech and hearing. (16)
3. Explain normal distribution and its properties and add a note on skewness and kurtosis. (8+8)
4. Explain briefly the various steps in a good research design. Why a single research design is not suitable in all research studies. (8+8)
5. Define validity and reliability. Explain the role of validity and reliability in research. (6+10)
