

Q.P. Code: 111377

Reg. No.:.....

**First Year MASLP Degree Regular/Supplementary Examinations  
April 2022**

**Statistics and Research Methods**

**(2016 Scheme)**

Time: 3 hrs

Max marks: 80

- 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

**Essays**

**(5x16=80)**

1. What are the properties of normal distribution curve. Explain variants from normal distribution with suitable diagrams.
2. What do you mean by correlation. Discuss various types of correlations with suitable examples.
3. Write the procedure of testing association between attributes with suitable examples. Test the association between gender and response in the following data.

		Response	
		Yes	No
Gender	Male	5	10
	Female	80	65

4. Write short notes on
  - Survey research
  - Scales of measurement
  - Hypothesis
  - Field studies
5. Explain the need to control variance in any research. Discuss various techniques of controlling variance, with their advantages and disadvantages.

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