

Semester III

Subject Name: Statistical Methods - NME	Duration: 4 hrs /Cycle
Subject Code: 3PGMNM(2015 on)	Credit : 4
<p>Unit I: Introduction Meaning and Scope – Measures of Central Value – Arithmetic Mean – Relationship among the Averages.</p> <p>Unit II: Measures of Dispersion – Introduction – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Coefficient of Variation.</p> <p>Unit III: Introduction – Skewness – Measures of Skewness – Karl Pearson’s Coefficient of Skewness – Kelly’s Coefficient of Skewness.</p> <p>Unit IV: Introduction – Correlation and Regression – Karl Pearson’s Coefficient of Correlation – Spearman’s Rank Correlation Coefficient – Lines of Regression.</p> <p>Unit V: Introduction Index Numbers – Methods of Constructive Index Number (unweighted Index Numbers, Weighted Index Numbers) – Test of Adequacy of Index Number Formulae – Consumer Price Index Numbers – Aggregate Expenditure Method – Family Budget Method.</p>	

Text book: Statistical Methods by S. P. Gupta, Revised Edition 2011, Sultand Chand & Sons Publisher.

Chapters: 7, 8, 9, 10, 11, 13.

Reference books: 1. Statistics by R.S.N. Pillai Bagavathi, Reprint 2010.

2. Statistical Methods by S.C. Gupta, Reprint 2000, Sultand Chand & Sons Publisher.