GROUP- F ELECTIVE COURSE-II
M.ED. EC116: DESCRIPTIVE STATISTICS

Objectives:
1. The student learns the various statistical method used in
   the analysis of data.
2. He understands the basis concepts of statistics.
3. He develops an ability to select proper statistics with various data.
4. He understands the basic assumptions, uses and misuses of various statistics.
5. He is able to understand statistical interpretations in educational research and to
   examine the scope of application of research.
6. He develops an ability to evaluate critically the result of analysis of data

Unit-I Meaning of Statistics:
1.1   Meaning of Statistics
1.2   Importance of Statistics in Education
1.3   Scale of measurement
1.4   Tabulation of data and different forms of graphic
      representation and their uses in educational research.

Unit-II Descriptive Statistics:
2.1 The frequency distribution, measures of central tendency and   Variability; Their
     calculation and use
2.2 The normal distribution-the normal Probability curve-its important properties and
     applications
2.3 Scaling of test items-scaling judgement

Unit-III Correlation:
3.1 The coefficient of correlation-Linear, bi-serial, Point bi-serial tetra choric,
     contingency, his product-Moment,
3.2 Rank difference, Partial and Multiple Correlation

Unit-IV Validity of Test:
4.1   Item analysis
4.2   Reliability and validity of statistical evidence