

**PAPER VI : RESEARCH METHODOLOGY AND STATISTICS IN CO-OPERATION.**

- UNIT 1: Research: Meaning and definition - social Research; aim and uses. Need for Research in Co-operation-uses of research for co-operatives-Macro and Micro level application of research in co-operation - areas of Research in co-operation - Limitations and problems of using research in co-operation - qualities of co-operative researcher.
- UNIT 2: Types of research:- Pure and applied research-historical research, descriptive and experimental research- their uses for co-operatives - Survey research, features - its application to co-operatives- Methodology followed in AIRCSC - case study features - its relevance and application to co-operatives, Selection and formulation of Research problem-Indetification of research problems in co-operatives-definition of concepts-formulation of hypothesis-preparation of research design.
- UNIT 3: Sampling - types of sample - their features. Methods of collection of Data - Mailed questionnaire - schedule - Interview - observation - collection of data through each method. Processing and analysis of data - edition, coding, transcription tabulation - Report writing - steps and features.
- UNIT 4: Statistics - Definition - uses - frequency distribution - average, mean, median, mode - measure of dispersion, quartiles, coefficient of variations, skewness and kurtosis - Distribution and their properties - Binomial, Normal and Posion - curve fittings - methods of least square correlation and Regression analysis - chiquare - time series - linear programming.
- UNIT 5: Problem areas of Research in co-operation- general - Historical - Management in general - functional areas of management - relevance of marketing research and feasibility studies in co-operation.

**REFERENCE:**

1. Pauline Young - Scientific social surveys and research, Paraentice hall of India.
2. Good & Hatt - Methods in soical research
3. G.A. Moser - Survey methods in social investigation
4. Anderson - Thesis and assignment writing.
5. C.T. Kurien - Guide to Research in Economics, Rainbow publishers, Coimbatore.