

# University of Calicut

## Ph. D Course Work (Social Work)

Paper I : Quantitative and Qualitative Research Methods for Social Work

Learning Objectives:

1. To understand the significance and characteristics of scientific research
2. To develop competence in conducting qualitative and quantitative research
3. To develop an understanding about the research process of qualitative and quantitative research
4. To gain an understanding about the application of statistical techniques in social work research

### **Module I Introduction**

Scientific Research and social work: - Meaning of research, types of research, Social work research - aims and significance.

Types of Research- Qualitative v/s Quantitative Research, evaluative research, participatory research, action research.

### **Module II Quantitative Research methods in social work**

Research Problem formulation: - Concepts, Theoretical and operational definition of concepts, Role of theory in research, Variables- Types, Hypothesis- Definition, types, sources and significance . Importance and methods of review of literature, Formulation of research proposal, Pilot study. Ethical considerations in research.

Research Design: - Meaning, purposes and types: - Exploratory, Descriptive, Diagnostic and experimental. Quasi-experimental design. Single subject designs, group design,

Sampling Techniques- Types, merits and demerits

Measurement-Levels, scales and scaling techniques ,Pre test validity and reliability

Data collection: - Primary data and Secondary data-Types. Methods of data collection- interview schedule, questionnaires, projective techniques.

Data analysis and Scientific writing

Data Coding, data entry, methods of presenting research data in quantitative and qualitative software (tabular and diagrammatic)

Steps in writing research proposals and reports

Writing Scientific publications types of scientific publication: original research article, concept paper, systematic review, case reports

Styles of referencing and reference management using software (Medley/Endnote/Zetoc)

Data Analysis and Data presentation in Quantitative studies: Editing, coding, tabulating, interpreting, descriptive and inferential analysis

Report writing- Format style and content. Qualities of a good research report

### **Module III Qualitative Research methods in Social Work**

Meaning, functions of Qualitative Research, strengths and weaknesses of Qualitative Research

Qualitative approaches to inquiry (ethnography, Narrative, Thematic, Phenomenology, Field Research, Grounded Theory and Case Study research), emic and etic perspectives, content analysis, conversational analysis. Principles of triangulation

Mixed method (Quantitative and Qualitative)

### **Module IV Statistical Methods**

Nature and purpose of statistics- use of statistical methods and limitations of statistics in social work research. Tabulation of data - purpose and basis of classification Frequency distribution-construction of frequency tables, graphic and diagrammatic presentation of data- Bar chart, Pie chart, Histogram, Frequency curve and Ogive. Normal distribution.

### **Module V Theoretical understanding of Descriptive and Inferential statistics**

Meaning, relevance, uses, merits and demerits of measures of central tendency, Measures of dispersion (Range, Quartile deviation, Mean deviation, Standard Deviation)

Meaning, relevance, uses, merits and demerits of measures of Correlation (Karl Pearson's Coefficient of correlation and Spearman's Rank correlation)

Meaning, relevance, uses, merits and demerits of Chi square, 't' test and ANOVA

Use of software packages in data analysis- SPSS- R and ATLAS.ti- Process interpretation and presentation of the findings

### **References:**

1. Rubin A and Babbie E (2011). Methodology for Social Work Research. 2<sup>nd</sup> edition, Cengage Learning India Private Limited
2. C. B. Gupta V- G. (2009) - Introduction to Statistical Methods. New Delhi: Vikas Publishing House Pvt Ltd.

3. Cresswell, J. W. (2007)- Qualitative enquiry & research design: Choosing among five approaches. New Delhi: Sage Publication
4. Cresswell, J. W. (2009)- Research Design: Qualitative, Quantitative and mixed methods approaches. New Delhi: Sage Publications.
5. Cresswell, J. W. and Clark, V.L. (2011). Designing and Conducting Mixed Methods Research. New Delhi: Sage Publications. D.K.L. (2000). Practice of Social Work Research. New Delhi: Rawat Publications.
7. Marh R (1996). Research Made Simple: A Handbook for Social Workers. New Delhi: Sage Publications Inc.
8. Rosenthal, J. A. (1997). Statistics and Data Interpretation for Social Work. New York: Springer publishing company
9. Schneider, R. A. (2003). Basic statistics for social workers. Maryland: University press of America.

**Ph D course Work**

**Quantitative and Qualitative Methods for Social Work research**

**Time : 3 Hours**

**Maximum Marks : 70**

**Part A**

**Answer any five questions**

1. What are the characteristics of a scientific research?
2. Distinguish between qualitative research and quantitative research
3. Explain the role of theory in research
4. Discuss case study as a method of qualitative research
5. Explain graphical representation of data
6. What are the measures of Central Tendency?
7. What are the different types of correlation?

**(5 x 4 =20 Marks)**

**Part B**

**Answer any five questions**

8. What is research problem? Explain the steps in formulating the research problem.
9. Explain various research designs
10. Discuss the importance of quantitative techniques in Social Work Research
11. What are the different types of scientific publications?
12. Briefly describe mixed methods research
13. Explain the levels of measurement with examples
14. What are the qualities of a good research report?

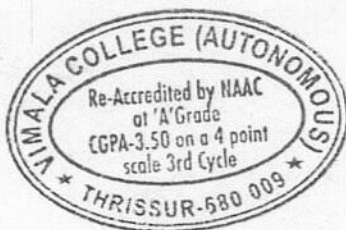
**(5 x 6 = 30 Marks)**

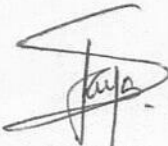
**Part C**

**Answer any two questions**

15. Describe the major qualitative approaches to inquiry
16. Discuss the process of data analysis and data presentation in quantitative studies
17. Explain the steps involved in the selection and formulation of a research problem in social work research

**(2 x 10 =20 Marks)**



  
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