

PRE PHD COURSE IN PSYCHOLOGY
RESEARCH METHODOLOGY

First Paper: Psychology

Unit-1 : Meaning of psychological research, nature and type of variables techniques for controlling variables, sources of bias, types of research descriptive, relational, experimental and Ex post facto research.

Unit-2 : Experimental design: Between and within group design. NON-experimental design, Questionnaire method, Non parametric sign test , mann-whitney u-test and chi square. parametric test, one way and two way analysis of variance, neuman kelis, Duncan multiple range test.

Unit-3 Simple correlation, Bi-serial correlation, Tetrachoric correlation and Partial correlation. Overview of simple and multiple regression introduction to factor analysis

Unit-4 Definition of qualitative research ways of conducting qualitative research major issues in qualitative research Non reactive research The logic, purpose and definition and types of non reactive research, research report writing in A.P.A. Style

Unit-5 Introduction to computer: History, characteristics of computer knowledge about Internet, Introduction to operating system, windows MS office, MS WORD, EXCEL, Power-Point, Introduction to statistical package for social science (SPSS).

Recommended Readings:

Broota, K.D (2003). Experimental design in Behavioural research.

New age International New Delhi.

Kerlinger, F.N (2000) Foundations of behavioural research wads worth publication source New Yourk.

Swain, A.K.(2007). A text book on research methodology kalyani publishers :New Delhi.


 Dr. H.G.R. Tripathi

Prof. & Head

Department of psychology
 Govt. Girls P.G. College Rewa (M.P.)

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Second Paper: Psychology

Unit-1 Research problem: Types of research problem, origin of research problem nature of hypothesis.

Unit-2 Techniques of data collection: Observation method, rating scales , questionnaire and schedules, type of schedules, Interview, case- study method, content analysis method, semantic deferential scales.


Unit-3 Sampling : Nature, types of sampling simple and stratified random sampling, area or cluster sampling guava sampling. Accidental or Incidental sampling, purposive and judgemental systematic sampling, snowball sampling double shamplng.

Unit-4 Principles of test construction item writing item analysis nature and types of reliability ways of improving reliability nature and types of validity cross validation norms steps involved developing norms types of norms standardisation.

Unit-5 Scaling techniques: Types of scaling method, psychological scaling methods, attitude scales, social distance scale scales-dissemination technique. Nature of cross cultural research psychological research in cross disciplinary interaction inter-disciplinary research.

Recommended Readings:

- Kerlinger, F.N (2000) Foundations of Behavioural research. Wadsworth publication house, new York.
- Swan, A.K.(2007).A text book on research methodology kalyani publishers: new Delhi.
- Tripathi, L.B. Psychological research methods, H.P. Bhargava book house, Agra.
- Singh, A.K. Research methods in psychology, sociology and Education Motilal Banarasidas Publications Delhi


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