

PHYSICAL EDUCATION
RESEARCH METHODOLOGY

UNIT – I

RESEARCH:

- Meaning, Need, Nature and scope of Research in Physical Education
- Characteristics of a good research, Fundamental, applied and action research

REVIEW OF LITERATURE

- Importance, location of the research material – index, books, bibliography, reviews
And abstract, critical literature and allied literature
- Steps in reviewing literature, Scanning and skimming

UNIT – II

RESEARCH PROBLEM

- Identification of area for research in Physical Education
- Selection of problem, Delimitation and operationalization of variables

HYPOTHESIS

- Meaning and Importance, Characteristics of good hypothesis, Types of hypothesis

UNIT – III

METHODS OF RESEARCH

- Historical, Descriptive, Experimental, Philosophical

RESEARCH DESIGN

- Meaning of research design and its importance, Type of research design

UNIT – IV

SAMPLING

- Concept of population and sample, Method of sampling: Probability and non-probability

TOOLS & TECHNIQUES

- Characteristics of a good research tools
- Questionnaire, Interview, Observation, Psychological Test, Sociometric Techniques
Attitude Scale, Inventories

UNIT - V

REPORT WRITING

Developing research proposal (synopsis)

- Characteristics of a good research report, General format of a research report

REFERENCE

1. Aggarwal, Y.P.(1998), The Science of Educational Research, A Source book, Nirmal, Kurukshetra
2. Garrett, H.E.(1973), Statistics in Psychology and Education Vakils, Feffer and Simon, Bombay
3. Good: C.V.and Douglas, E.Scates 1954, Methods in social Research, Mcgraw Hill, Newyork
4. Kou, Lokesh (1988), Methodology of Research, Vikas, New Delhi
5. Mouly, A.J.(1963), The Science of Educational Research Eurosia, New Delhi