



RAMA UNIVERSITY

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FACULTY OF ENGINEERING & TECHNOLOGY

MCS-043 Research Methodology

Lecture-04

Mr. Dilip Kumar J Saini

Assistant Professor

Computer Science & Engineering

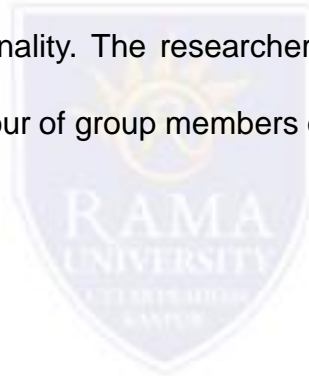
➤ **LIMITATIONS OF EDUCATIONAL RESEARCH**

➤ **RESEARCH PROCESS CYCLE**



1. COMPLEXITY OF SUBJECT MATTER:

Educational research deals with individuals. Each individual is unique in the way he grows, in his mental, social and emotional behaviour, and in his total personality. The researcher in the field of education has to study the individual in groups and the impact of the behaviour of group members on an individual



2.DIFFICULTIES IN OBSERVATION:

Observation of human behavior is more subjective than the observation of physical or biological phenomena. The subjectivity on the part of the observer has a direct impact on the interpretation and findings on which he bases his conclusions.



3. DIFFICULTIES IN REPLICATION:

The physicist can find objectively and accurately

resistance of a wire in the laboratory. He can report his findings and the experiment can be easily replicated by

others. This is not easily possible in education.



4.INTERACTION OF OBSERVER AND SUBJECTS:

The researcher in the field of education is also a human being. His presence as an observer in a situation may change the behavior of his subjects.



5. DIFFICULTY IN CONTROL:

The rigid control of experimental conditions is possible in the laboratory of physical or biological sciences. It is not possible in educational studies.



6. MEASUREMENT PROBLEMS:

The tools used for measurement and data collection in the educational studies are much less valid and reliable than the tools of the natural scientist.



Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

1. Social Science Research Problems

- a) Explain b) diagnosis c) Recommend d) Formulate

2. Social research aims at

- a) Integration b) Social Harmony c) National Integration d) Social Equality

3. The method by which a sample is chosen

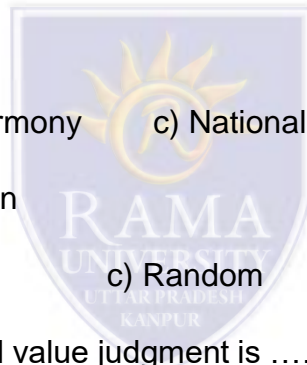
- a) Unit b) design c) Random d) Census

4. Basing conclusions without any bias and value judgment is

- a) Objectivity b) Specificity c) Values d) Facts

5. Research is classified on the basis of and methods

- a) Purpose b) Intent c) Methodology d) Techniques



REFERENCES

1. Creswell, J.W. (2002) Educational Research. New Jersey: Upper Saddle River.
2. McMillan, J.H. and Schumacher, S. (2001) Research In Education. New York: Longman.
3. Best, J.W. and Kahn, J (1997) Research in Education (7th Ed) New Delhi: Prentice-Hall of India Ltd.

