

## Research Attitude.

By - OWAIS SIR

classmate

Date 25.05.2021

Page 1

Research = Ret + Search

(again, answer or overview)

(To examine closely and carefully, voyage.)

- The word "Research" is derived from the Latin word which means "to know"
- Research means search of knowledge. It implies search for something new. e.g. new ideas, new conclusions and new theory.
- Research is voyage from known to unknown.
- Research can be defined as the in-depth study of something in search of something new information.
- According to above lines we can say that search for knowledge through objective and systematic scientific method of finding solution to a problem is research. It helps in decision making and reducing the element of risk and uncertainty.

### \* Objective of Research. :-

- The main objective of research is to find out the truth which is hidden and which has not been discovered as yet. Some aims of research are following.
- To ~~reject~~ test the hypothesis of a causal relationship between variables.
- To find out solution of the problem with the application of scientific method.
- To compare effectiveness of different types of teaching aids
- To encounter problems arising in day-to-day life.

- To find ways of remedial measures for improvement.
- To formulate a new theory or concept based on the finding of research.
- To verify data and facts in respect of an analysis made by other scientist or in existing theory.
- To gain familiarity with a phenomenon or to achieve new insight into it.  
(Exploratory or formulating research studies)
- To portray accurately the characteristics of a particular individual, situation, or a group. (Descriptive research studies)
- To determine the frequency with which something occurs or with which it is associated with something else.  
(Diagnostic research studies)
- To test a hypothesis or a causal relationship between variables.  
(Hypothesis testing Research studies)

⇒ Research is generally oriented towards looking into 5 W's and 1 H of a problem.

As said by Bernard Baruch, "Millions saw the apple fall, but Newton was the one who asked - WHY". It was this WHY which lead to the discovery of the law of Gravitation.

## \* Characteristics of Research.

- Research involves the quest for answer to unsolved problems.
- Research involves gathering new data from Primary sources or using existing data for a new purpose.
- Research information is used to take accurate decisions.
- Research is a scientific and social investigation.
- Research develops concepts, principles and theory.
- Research is based on hypothetical sampling and assumptions.
- Research inquires into cause and effect relationship among facts related hypothesis or problem.

• Research should be—

- ① Systematic : Research should be systematic, this means that every research should follows a certain set of procedures.
- ② Empirical : It should be based on observation, direct, or real-life experiences. Scientific methods should be used while conducting research.
- (iii) Validity : This implies that the conclusions drawn from the study are correct. validity ensures the applicability of the research. The conclusions drawn from research are applicable to real-life problems. only if these are valid.
- (iv) Reliability : A reliable research will produce similar result each time, when procedures are tested on different sets of similar samples. Greater the similarity in result, greater is the reliability.

(v) Generalizability : — It implies that the interpretations which have been made using the sample should be applicable to the population as well. eg - If it is found that most of the students in the sample prefer online educational channels, then it implies that most of the college students (generalizing it to whole population) prefer these.

(vi) Credibility : — ~~Probable, Fairly Right!~~

Research should be credible.

It deals with ~~total~~ trustworthiness of research. It is not about quantity but quality of research. Conclusions should be based on accurate data. Special care should be taken while using secondary data as it might have been manipulated.

(vii) Logical : — ~~Reasonable~~

Good Research is logical. In other words, it is governed by the rules of logical reasoning. This makes research more meaningful and decision-making effective.

(viii) Realistic : — ~~Reasonable, Practical~~ Good research should be realistic.

It should deal with some real problem of the world. Also, the result should be realistic.

(ix) Objectivity : — ~~Reasonable, Impartial~~ It implies impartiality or absence of bias. Research should be free from the personal values and beliefs of the researcher.

(x) Critical : — ~~Reasonable, Critical~~ There should be critical analysis of the methods and procedures used so that research should free from any errors.