

Research Process

Ans = 7

Research process consists of series of actions or steps necessary to effectively carry out research and the desired sequencing of these steps.

The research process involves a number of inter-related activities which overlap and do not rigidly follow a particular sequence.

Following are the steps in research process:

Problem definition



Research Design



Field Work



Data Analysis
and Interpretation



Report Presentation

(i) Problem Definition:-

The first step in a research process is to define the problem chosen for investigation. A problem well defined is half solved. In order to define a problem properly, we should determine the nature of research. After understanding nature of problem a preliminary analysis may be carried out applying the following techniques

(i) Situation Analysis

(ii) Informal Investigation

(ii) Research Design:-

Research design is the plan, structure and strategy of investigation conceived so as to obtain variance to research question and to control variance.

The researchers has to answer the question:-

- a. How would data be collected
- b. Which instruments for data collection would be used?
- c. What sampling plan would be used?

The following methods are considered for research design:

a. Data collection method

- (i) Observation
- (ii) Experimentation
- (iii) Surveys

b. Research Instruments

- (i) Questionnaire
- (ii) Psychological Tools
- (iii) Mechanical device

c. Sampling Plan

- (i) Sampling Unit
- (ii) Sampling Size
- (iii) Sample Procedure
- (iv) Contact method

(iii) Field work :-

The following problems may occur during this step :-

a. Non-at-homes

b. Respondent Bias

c. Refusal to Co-operate

d. Interviewer Bias

(iv) Data Analysis :-

In order to extract meaningful information from the data collected, data analysis and interpretation is carried out. The data are first edited, coded and tabulated for the purpose of analysing item.

(v) Report Preparation :-

Report format includes following sequence:

- a. Title page
- b. Table of contents
- c. Preface
- d. Fore word
- e. Statement of objectives and hypotheses
- f. Research methodology.
- g. Actual analysis and interpretation of data
- h. Findings
- (i) Conclusions and recommendations.
- (j) Appendices including.
- (k) Bibliography.