

CHAPTER - III

RATIONALE & METHODOLOGY

C H A P T E R - III

3.0 'RATIONALE, AND METHODOLOGY'.

3.1 RATIONALE:-

School and college experience have an important bearing on the lines of student concerned a major precondition in effecting Awareness in the Environment is Increasing the Knowledge of pople. The school has major role to contribute in help of students to under stand the nature and process behind the biophysical strecture of the Environment.If the Environmental Awareness and Role Imagination of school and college students is assesed along with gender,It would given an idea of developmental trends.

''Goal for curriculum development should be in Environmental Education, and places issues at the heart of the Environmental curriculum''1

How ever, since there is formal instruction or programmes in Environmental Education in our school.It is presumed that both school and college students get Environmental Awareness through channels like mass media and other school subjects. It is further presumed that agriculture is main occupation in the rural areas and the

1. 'Hunger food, peytor wilke,(1980);



life style of these students play a significant role in getting them acquainted with the Environment. In urban areas Industrialisation affects the life style of urban students. But it is presumed that through the channel like mass media and the Environmental situation around them play a significant role.

3.2 SAMPLE:-

The technique of selection of a sample and its size is an important aspects of any research study. for the present study, keeping the time factor in view sample is selected purposively and taken school and college of Boy's and Girl's near by the place of researcher.

for the present study the investigator identify the area from which the sample for this study is to be drawn. Rewa district will be selected for the study to know the Environmental Awareness, Role Imagination and Socio-Economic status of college student and Rampur Baghelan of Satna, district will be selected for school students.

TABLE NO.- 3.2 DISTRIBUTION OF STUDENTS ACCORDING TO INSTITUTION AND GENDER

S.N.	Instituitions	Types of sample	Name of the School and college	No. of students	
				B	G
1	school Satna Distt.	purposive	(i) Govt.H.S.S. Rampur Baghelan	51	----
			(ii) Govt.H.S.S. Rampur Baghelan	----	41
2	college Rewa Distt.	purposive	(i) Govt.Model Sc.College Rewa	57	---
			(ii) Govt.Girl's D.college Rewa	---	47
TOTAL				108	88

3.3 - INSTRUMENTATION:-

There are three types of instruments are used by the researcher.

(i). Environmental Awareness:-

Multiple choice test item were formulated by the researcher with the help of his supervisor, based on basic Environmental concepts, issues and problem commonly cited the mass media and general propaganda. A review of other relevant tests that have been constructed by other researcher were also made and relevant item that could be borrowed cited. The test was administered and try out on 25, students of B.Ed

one year of Regional College of Education, Bhopal. In out of 60, items after itm analysis and a through examination and discussion, the final test consist of 50 items. Some test item were refined and other rejected, the reliability of this test is 0.66.

Each item had four alternative out of only one was correct. A score of one was assigned for each correct responses thus the maximum possible marks was,

Table No 3.3 AREA COVERED IN THE ENVIRONMENTAL AWARENESS ON THEIR PERCENTAGE WEIGHTAGE-

S.N.	Area	item falling under each area	percentage of items
1 .	General Pollution	1, 2,4,6	8%
2.	Air pollution	7,8,26,28,42,49	12%
3.	water pollution	41,50	4%
4.	Noise pollution	29,48	4%
5.	Soil pollution	17,22,43	6%
6.	Ecology	35,40	4%
7.	Environmental health safty	18,19,24,25,27 30,33,47	16%
8.	Energy sources and uses	36,37,46,44	8%
9.	Population	34	2%
10.	Netural resources.	5,9,21,45,20	10%
11.	conservation.	38,39	4%
12.	Soil conservation.	15,23,32	6%
13.	forest conservation	3,10,11,12,13 14,16,31	16%

(ii) ROLE IMAGINATION:-

This questionnaire of Role Imagination. was developed by researcher with the help of his supervisor. This test consists of 13 items, and have given three statement of students . Its scored by Fluency, Flexibility and Relevency.

So, the maximum score of this questionnaire will be, '91'.

This questionnaire consists of the role of the Society and our country, which is called the main character of the society. Its to be answered only by environmental point of view.

(1) FLUENCY-

Fluency will be measured as follows:-

- (i) More than one statements but not more than 2 statements it is marked= 2
- (ii) One statement but not more than 1 statement marked= 1
- (iii) If all three statements in given by the subject marked = 3

(2) Flexibility:-

Flexibility will be measured under this scale -

- 1 = marks for same statements.
- 2 = marks for two different statements and
- 3 = marks for all different statements

(3) Relevancy -

Relevancy will be measured under this scale

- (i) If all statments Relevant or true maked = 1
- (ii) If it is not true or have not sense marked = 0

(ii). SOCIO- ECONOMIC STATUS:-

The questionnaire of socio-economic status is used both, School for rural and college for urban students. This test was developed by 'Dr.S.P.Kulshrestha'

In socio-economic status scale the five main aspects is taken by the researcher which is economic, parental education , parental occupation , social aspects and size of the family. These aspects based on some scale made by the researcher to showing the impact of socio-economic status in Environmental awareness and Role Imagination of School and College students.

In this study socio-economic status scale is not scored by the scoring key. So, there has no score in this test. Here all five aspects of SES only to be discussed.

(a) **ECONOMIC ASPECTS:-** The scale of economic aspects is made by the researcher as follows:-

(i) Upper class family:- If income of the family within 3000-5000 Rs. per month,

(ii) Middle class family :- If income of the family within 2000-3000 Rs. per month.

(iii) Lower class family:- If income of the family within 1000 Rs. or less than.

(b) **PARENTAL EDUCATION :-** The scale of parental education as follows:-

(i) Upper Class Family :- post Graduate

(ii) Middle Class Family :- Graduate

(iii) Lower Class Family :- under Graduate

(c) **PARENTAL OCCUPATION :-** The scale of parental occupation as follows:-

(i) Upper class family:- service man (Included Ist, II and III class)

(ii) Middle Class Family :- Business man , Agriculturist,

(iii) Lower Class Family :- labourship, Peon and others.

(d) **SOCIAL ASPECTS:-** The scale of social aspects as follows:-

(i) Upper Class Family:- Who is participating every time in the social Activitis and called every social meetings.

(ii) Middle Class Family :- Who does not participate in social activities,

(iii) Lower Class Family :- Who has not interest in this type of activities.

(e) **SIZE OF THE FAMILY:-** The scale of size of the family as follows:

(i) Upper class Family:- Who has only two or three members in the Family.

(ii) Middle class Family:- Who has more than 3, but not more than five members.

(iii) Lower class Family:- who has more than five members of the Family

3.4 DATA COLLECTION:-

The data would be collected through applying a questionnaire. The concerned school will be visited for two consecutive day's before the actual collection of the data. The purpose of the collection will be acquainted with the school administration, teachers and establish as the number of students in each stream will also be noted.

The situation under which the data would be collected. Included things, like lack of facilities for example, desks and blackboards in such situation wherever it possible to arrangement will be made to shift the students to better classrooms. Then first test which will be Environmental awareness test (EAW), it contains 4, multiple choice items which covers the fields of Environment like, air pollution, Water pollution, noise pollution, energy sources and use, forest conservation etc.

Soon after Role Imagination test will be administered by the researcher with one local friend. And after this test, socio-economic test will be given by the researcher to each students for filling it up from home and it will be collected day after.

Before Administration of each test students were motivated and psychologically prepared by the researcher to do this almost to sincerely respond to the test item and to leave none. Unresponded to as

this would cause problem. In the scoring, students were assumed that the test were not a measure of their Intelligence and that the whole process had nothing to do with their school Achievement.

The Instruction to each test were given on test sheet but they were further reinforced by having them read out to the students before they were told to start answering. An example of each section was also illustrated on the black board to make sure students understood what they had to do, and lastly the subject were informed that the test was time free. At, the end of each test the researcher expressed gratitude to the students for their co-operation.

And the same procedure is applied for collecting the data for Boy's and Girl's in the college.

The selection was done in such a manner that there was a probability of inclusion of each item If our universe in the sample was equal; the selection was entirely objective. The data collected for the study were from one secondary school of co-education and two colleges both Boy's and Girl's Indicated below:-

1. School - Govt. H.S.S.Rampur Baghelan, Satna(M.P)
2. College -
 - (i) Govt. Girl's Degree college, Rewa(M.P)
 - (ii) Govt. Model Science college, Rewa(M.P)