



A COMPARATIVE STUDY OF THE ENVIRONMENTAL AWARENESS AMONG SCIENCE AND ARTS STUDENTS OF +2 CLASS

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ABSTRACT:

The environment, which sustains life, is in peril at present. Human actions are responsible for this rapid industrialization; further advancement in science and technology and the abuse of this advancement in an arbitrary way and the fast growth of urbanization have posed danger to man himself.

Generally, people are indifferent to their environment. Newton's 3rd law states – "Every action has an equal and opposite reaction." This equally applies to man's relationship with nature as it relates to application of force on inanimate objects. While man sought domination over nature in five thousand years realize that his welfare and his very existence are deeply intertwined with the natural cycles and systems. Thus there is a need to create environmental awareness among human beings.

As the problem is one, of the people, for the people and by the people, a proper understanding and support of the people will go a long way in carrying out anti-pollution measures.

As the future of our country depends upon our young pupils, at school level, thus they must develop a proper sense of environment's problem and environmental awareness, only then they can help the society in maintaining the atmosphere clean and clear. The investigator by this study will try to know the extent or degree of environmental awareness among urban and rural students of grade XII. Generally it is thought that science students are more aware about environmental problems than that of arts students. The investigator wants to know the real position. After this study, she will be in the position to find out the difference, if any, between these two sets of students.

KEYWORDS:

INTRODUCTION:

The environments which sustain life is in the peril at present. Human actions are responsible for this. Rapid industrialization, further advancement in science and technology and the abuse of this advancement as the fast growing urbanization have posed danger to man.

Environmental awareness means to help social groups and individuals to acquire and awareness of and sensitivity to the total environment. The society needs to be convinced of the importance of environment and we have to realize the facts that the way we live, will determine our future.

As the future depends upon the young pupils at school level thus they must develop a proper sense of environment problems and awareness towards it. The investigator by this study will try to know the extent or degree of environment awareness among urban and rural students of grade XI. Generally it is thought that science students are more aware about environment problem than that of arts students. The investigator wants to know the real position. After this study, she will be in a position to find out the difference if any between these two sets of studies.

STATEMENT OF THE PROBLEM

"A comparative study of the Environmental Awareness among science and Arts students of 10+2 class."

OBJECTIVES OF THE STUDY

The objectives of the present study are:

1. To study the level of environmental awareness among Science students.
2. To study the level of environmental awareness among Arts students.
3. To compare Science and Arts students with respect to level of environmental awareness.
4. To suggest implication to develop environmental awareness among students.

HYPOTHESES

The following hypotheses will be empirically tested by the finds of the study:

1. There exists no significant difference between Science and Arts students with respect to environmental awareness.
2. There exists a significant difference between the

degree of environmental awareness among science and arts students.

DELIMITATION AND SAMPLING

1. The area of Study was limited to Jalandhar district.
2. The numbers of students were limited to 150 (75 were of science and 75 were of Arts stream).
3. The numbers of schools were limited to six three were of science and three were of Arts stream.
4. The students of 12th grade will be taken for study.

METHOD AND PROCEDURE

Standardized tool (EAAM) was used for collecting the relevant data. Schools and students were selected randomly and to the convenience of the investigator. Relevant statistical techniques were employed in order to find out the differences and their significance.

SAMPLE

In order to conduct the present study 6 senior secondary schools will be selected randomly from Hoshiarpur district. A sample of 150 students (75 From Science stream and 75 From Arts stream) will be randomly selected for further study.

TOOL TO BE USED

Following tool will be used by investigator. Environmental Education Awareness Test-Dr.Vipinder Nagra (2010).

DELIMITATION AND SAMPLING

1. The area of study was delimited to Hoshiarpur district.
2. This study was delimited to Science and Arts students.
3. The students of +2 grade were taken for study of environmental awareness.
4. Only government schools of Hoshiarpur district were selected where Art and Science streams is presented.

METHOD AND PROCEDURE

Standardized tool was used for collecting the relevant data. Schools and students were selected randomly and to the convenience of the investigator. Relevant statistical techniques were employed in order to find out the differences and their significance.

The study aims at investigating the awareness about their environment in science and arts students. Environment Awareness Inventory Measure was administered on 75 science and 75 arts students. As per instructions following results were prepared which are as given below:

Showing the environment awareness among Science students

The table indicates that the mean score of Environment Awareness among Science students calculated is 43.5 and standard deviation S.D. is 8.7

**TABLE 4.1
ENVIRONMENT AWARENESS AMONG SCIENCE STUDENTS**

N=75

Score	F
0-20	2
21-40	67
41-60	04
61-80	02
81-100	0

**TABLE 4.2
LEVEL OF ENVIRONMENT AWARENESS AMONG SCIENCE STUDENTS**

Level of Environmental Awareness	F
Low	69
Average	06
High	Nil

**TABLE 4.3
MEAN OF ENVIRONMENTAL AWARENESS AMONG SCIENCE STUDENTS**

	N	Mean	S.D
Environmental Awareness	75	43.5	8.7

**TABLE 4.4
ENVIRONMENT AWARENESS AMONG ARTS STUDENTS**

N=75

Score	F
0-20	08
21-40	59
41-60	05
61-80	02
81-100	0

TABLE 4.4 LEVEL OF ENVIRONMENT AWARENESS AMONG ARTS STUDENTS

Level Of Environmental Awareness	F
Low	67
Average	08
High	Nil

TABLE 4.5 MEAN OF ENVIRONMENTAL AWARENESS AMONG ARTS STUDENTS

	N	Mean	S.D
Environmental Awareness	75	43.4	10.2

TABLE 4.3

ENVIRONMENTAL AWARENESS AMONG SCIENCE AND ARTS STUDENTS

	N	M	S.D.	S.E	C.R	Level
Environmental Awareness among Science students	75	43.5	8.7	1	0.607	Insignificant At 0.05 and 0.01 level
Environmental Awareness among Arts students	75	43.4	10.2	1.17		

In the above interpretation there are two variables which are compared, that is environmental awareness among Science and Arts students. The above table indicates that the C.R. between the mean scores of the environment awareness among Science and Arts students, comes out to be 0.607, since the obtained value of C.R. is 0.607 so the difference between means is insignificance at 0.05 level and highly insignificant at 0.01 level. This shows that there is no significant difference in environment awareness among science and arts students. Both are equally aware about environment. It is said that science students are more intelligent and well adjusted to the environment, but there it can be seen that arts students are also not backward in their knowledge about environment. Both equally understand the meaning of environment the factors which pollutes the environment from being polluted. Hence our hypothesis that there is no significant differences about environment all awareness between science and arts students has been proved and accepted empirically.

CONCLUSION

On the basis of above findings it can be concluded

1. In case of Science students, with mean score of 43.5 with S.D. 8.7. The obtained mean of environmental awareness among Arts students is 43.4 with S.D. 10.2.

'Agenda 21' adopted in 'Earth Summit' held at Rio-Di-Janerio, Brazil in 1992 recommends ways to save our environments as

1. Environmental surveillance must be established for checking industrial pollution.
2. All the wastes should be treated and disposed under bio-medical wastes rules 1983.
3. Steps to be taken for conservation of biodiversity.
4. National environment fund and setup for saving the environment.
5. Environment awareness should be included in the school curriculum.
6. Seminar, paper reading competition, declamation should be conducted to make people aware about environment.

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