

A Comparative Study of Environmental Awareness of Arts, Science and Commerce Under Graduate Students

Abstract

Environmental education, or Environmental studies or Environmental Science, all are collectively same, as a systematic study about our environment. Environmental education has been introduced as a compulsory subject in the curriculum of undergraduate level students of all streams like, art, science and commerce etc. The main objective of environmental education is to provide a wide exposure to students' different serious aspects of the environment. The present study aimed to assessing the awareness and responsibilities about environment, among our educated communities. The present study has been done by survey method on undergraduate level students of art, science and commerce stream. The present study also promotes the scientific attitude of undergraduate students which are not from science background, like art and commerce.

Keywords: Environment, Environmental Awareness, Scientific Attitude, Undergraduate Students.

Introduction

Education refers to the transfer of communication of information, knowledge and skill from the sender to the receiver. According to M.K. Gandhi "Education means the all round drawing of the best in child and man body, Mind and Soul".

Education is called systematic because it has a well defined pattern of study. Since a long time Education is universally recognized as the most effective tool of bringing out changes towards the social and economic betterment cultural transformation of a society and a nation as a whole. It enhances the status of human being and the country as a whole. It enlarges the mental horizon of the human being. On one hand education develops the all round personality of an individual and on the other hand, it contributes towards growth and development of the society.

Environment

All living things that live on this earth come under the Environment. Whether they live on land or weather, they are part of environment. The environment also includes air, water, sunlight, plants, animals, etc. The term environment is quite wide in nature. It includes not only physical or material aspects but psychological, social and cultural aspects as well. Thus, environment consists of material and non material surroundings of human beings. Environment is a dynamic phenomenon. It is dynamic and changes occur even if there is no human interference.

Environment refers to all natural activities that surrounds and affects human life. The environmental factors acts as a connecting link between all living things on the planet, It is beyond doubt that any disbalance in the environment will certainly affect human life. Therefore, it becomes our duty to presence and protect the environment. The degradation of the environment is a matter of great concern for the whole world and therefore all the nations of the world are making serious efforts to protect the environment and make the world a much better place to live.

Environmental Awareness

A very old proverb goes like their, "Prevention is better than cure". This old saying is very relevant in today' environment because if we save our environment from getting polluted. We will enjoy a healthy and happy life which shall be free from all types of physical, mental and psychological problems. Keeping this in view the educational authorities all over the world have recommended for implementation of environment education all levels of schooling. In the process of development we must not forget that we are

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paying a huge price in the form of environmental degradation. Therefore, awareness on environmental issues among the public is the need of the hour. The awareness about environment can be achieved through the following measures:

1. Assessing, identifying and classifying the actual issues relating to personal life.
2. By changing the social structure at all levels such as family ,society ,community and religion
3. By implementing environment education in schools and colleges.

Statement of the Problem

A Comparative Study of Environmental Awareness of Arts, Science and commerce Under Graduate Students.

Objectives of study

The present research is on the topic is being conducted within the following objectives;

1. To compare the Environmental Awareness of Arts and Science under graduate students.
2. To compare the Environmental Awareness of Science and Commerce under graduate students.

Table No. 1-

S.No.	Institutions Name	Total	Arts	Science	Commerce
1	Shri Jay Narayan P.G. college ,Lucknow	60	20	20	20
2	Bappa Shri Narayan Vocational P.G. College, Lucknow	60	20	20	20
3	Mumtaz Degree College ,Lucknow	60	20	20	20
4	Kali Charan degree college, Lucknow	40	20		20
5	National P.G. College, Lucknow	40	10	20	10
6	Eram Girls Degree College, Lucknow	40	10	20	10
7	G.S.R.M .Degree College, Lucknow	60	20	20	20
8	Kuwar Ashif Miya Degree College, Lucknow	60	20	20	20
9	G.C.R.G. Group of Institutions, Lucknow	30		30	
10	Lala Mahadev Prasad Verma Balika Mahavidyalaya	40	20		20
11	Mahesh Prasad Degree College, Lucknow	60	20	20	20
12	Charak Degree College, Lucknow	50	20	10	20

Research tools

The investigator had used standardized research tools for the study.

1. EAAM-[Environmental Awareness Ability Measure]-Dr. Praveen Kumar Jha (Madhaupur, Bihar)

Statistical Techniques Used

Following statistical measures were used for analyzing the data-

1. Mean

3. To compare the Environmental Awareness of Arts and Commerce under graduate students.

Hypothesis

The null hypothesis of the study includes the followings-

1. There is no significant difference between Environmental Awareness of Arts and Science under graduate students.
2. There is no significant difference between Environmental Awareness of Science and Commerce under graduate students.
3. There is no significant difference between Environmental Awareness of Arts and Commerce under graduate students.

Research Methodology of the Study

The research methodology of present study is Descriptive Survey method.

Sample of the study

In the present study, the investigator selected 12 institutions for random sampling in Lucknow district. He selected 600 under graduate students, 200 Arts, 200 Science and 200 Commerce students, as sample.

2. Standard Deviation (S.D.)

3. t-test

Analysis and Interpretation of Data:

1. There is no significant difference between Environmental Awareness of Arts and Science under graduate students.
 - 1.1. Stream wise comparison of the Environmental Awareness of Arts and Science under graduate students.

Table No.2

Stream	N	Mean	S.D.	SEM	t-test	Significant
Arts	200	36.58	6.19	0.360	2.62	Significant at 0.05 level
Science	200	37.61	5.81			

1. That the table no. 2 shows that the mean scores of environment awareness of Arts and Science under graduate students are 36.58 and 36.61 respectively.
2. The standard deviations (SD) on the scores of Arts and Science UG students are 6.19 and 5.81 respectively.
3. The calculated t-test value is 2.62 which is higher than tabulated t-value i.e. 1.98 at the level of 0.05 significant.
4. With the use of t-test we found that the first null hypothesis related to environmental awareness

on comparison of Arts and Science stream, is rejected, on level of 0.05 significant. This shows that the environmental awareness of under graduate students differs on Arts and Science stream.

2. There is no significant difference between Environmental Awareness of Science and Commerce under graduate students.
 - 2.1. Stream wise comparison of the Environmental Awareness of Science and Commerce under graduate students

Table No.3

Stream	N	Mean	S.D.	SEM	t-test	Significant
Science	200	37.61	5.81	0.348	2.59	Significant at 0.05 level
Commerce	200	36.13	6.00			

1. That the table no. 3 shows that the mean scores of environment awareness of Science and Commerce under graduate students are 37.61 and 36.13 respectively.
2. The standard deviations (SD) on the scores of Science and Commerce UG students are 5.81 and 6.00 respectively.
3. The calculated t-test value is 2.59 which is higher than tabulated t-value i.e. 1.98 at the level of 0.05 significant.
4. With the use of t-test we found that the second null hypothesis related to environmental awareness on comparison of Science and Commerce stream, is rejected, on level of 0.05 significant. This shows that the environmental awareness of under graduate students differs on Science and Commerce stream.
3. There is no significant difference between Environmental Awareness of Arts and Commerce under graduate students.
- 3.1. Stream wise comparison of the Environmental Awareness of Arts and Commerce under graduate students.

Table No.4

Stream	N	Mean	S.D.	SEM	t-test	Significant
Arts	200	36.58	6.19	0.371	0.737	Significant at 0.05 level
Commerce	200	36.13	6.00			

1. That the table no. 4 shows that the mean scores of environment awareness of Arts and Commerce under graduate students are 36.58 and 36.13 respectively.
2. The standard deviations (SD) on the scores of Arts and Commerce UG students are 6.19 and 6.00 respectively.
3. The calculated t-test value is .737 which is lower than tabulated t-value i.e. 1.98 at the level of 0.05 significant.
4. With the use of t-test we found that the third null hypothesis related to environmental awareness on comparison of Arts and Commerce stream, is accepted, on level of 0.05 significant. This shows that the environmental awareness of under graduate students not differs on Arts and Commerce stream.

Conclusion

The findings, as the results of investigator, are listed as following-

1. It means that there is significant difference between Environmental Awareness of Arts and Science UG students. It was also found that the Environmental Awareness of Science students are higher than the Arts students. It means that Science students are more interested to know and understand the Environment aspects.
2. It means that there is significant difference between Environmental Awareness of Science and Commerce UG students. It was also found that the Environmental Awareness of Science students are higher than the Commerce students. It means that Science students are more interested to know and understand the Environment aspects.
3. It means that there is no significant difference between environmental awareness of Arts and Commerce UG students. It was also found that the environmental awareness of Arts and Commerce students are near about equal. it means that Arts and Commerce students are both interested to know and understand the environment.

Education Implication of the Study:

1. Educationists, educational administrators, and teachers must acquaint their pupil about pros and cons of environmental pollutions.
2. It would be more beneficial and effective if special programs are launch to develop environmental awareness among the students. This is possible only through inclusion of special courses on environment education in school curriculum.
3. Value oriented education in the light of environmental pollution and environment awareness should be provided.
4. The government should provide books related to science and environment for students.

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