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**A COMPARATIVE STUDY OF ENVIRONMENTAL EDUCATION  
AWARENESS AMONG STUDENTS OF HIGHER SECONDARY SCHOOLS  
IN THE PRESENT TIME**

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**ABSTRACT**

Objective of present research A Comparative study of environmental education awareness of students in government and private higher secondary schools in present time has done. For this, 160 students were selected in class 11 of higher secondary schools located in Agra district, for the measurement of awareness, environmental awareness ability measure was tested by the test scale, the critical ratio test was used for the analysis of the data. From the results it was found that the awareness of the students of higher secondary government schools was found to be higher than that of the students of higher secondary private schools and the awareness of environmental education was found to be lower in the girls students of private schools as compared to the boys students of government schools of higher secondary schools but statistics A significant effect was not found from the approach, in a comparative study of the awareness of environmental education among the girls students of higher secondary government and private schools, significant effect was found.

**Keywords - Higher Secondary School, Student, Environmental Education and Awareness**

**INTRODUCTION**

Environment is the basis of life on earth. Which is the basis of the origin,

development and existence of not only human beings but various types of animals and plants. There is a close relationship between nature

and human. In the Vedic period, the seers developed good philosophical thinking with the natural environment of the forests. To maintain a clean environment in the present environment, there is a sense of knowledge and traditional dependence of physical and biological aspects. Environmental awareness is the acquisition of environmental knowledge and research. Due to the increasing illiteracy and ignorance among the common people, the measures for environmental protection and conservation are not being used fully. The student understands the natural scenes by going in the lap of nature and has to observe them and understand them. In schools, observation, planning and tourism are such methods of teaching the students about the wider environment which makes them aware of the mystery of nature around them. It has proved useful in soil conservation, forest conservation, wildlife conservation etc. For the prevention and protection of pollution depends on the knowledge of ecology. Various international organizations have been formed all over the world to understand and solve various environmental problems, at the national level, many government and non-governmental organizations are also expanding in this direction. Therefore, in the present time, an attempt has been made to make a comparative study of the awareness of

environmental education of the students studying in higher secondary schools.

#### **Study related literature –**

Some research work has been done in the past related to the present research work like **Naik Geetanjali** and **P. Joshi Bhawna** (1971) found that environmental education should start with the students studying in the primary school so that from the very beginning, awareness of the environment is developed in the society and suitable direction for the development of the society filled with the spirit of environmental education. It also made an important suggestion that the basic principles of the concept of ecology should be included in the educational curriculum in schools so that the earlier students, when they are young, can play the role of a source of inspiration for the coming generations. **Roli Sablok** (1990). In relation to the environmental awareness and attitude of high school teachers and students of district Jabalpur, the study found that the environmental awareness and attitude towards environmental problems of girls and boys are significantly different. **S. Parmanand Yadav** and **Anita Bhartiya** (2007) found in their study that there is a positive relationship between the environmental awareness and scientific attitude of the students and the students of science category are more aware of

their environment than the students of arts class. **Talk Bharat** (2009) found no difference in environmental awareness among secondary level teachers of government and private schools. There is no difference in environmental awareness of teachers of government and private schools. The environmental awareness of male and female teachers of government and private schools is good. There is no difference in the environmental awareness of all types of teachers in government and private schools. **Dr. Mrs. Shivani Srivastava** (2015) has said that among the students of class 11th of government and non-government schools, there is more awareness of the environment among the students of government schools. There is no significant difference in the environmental awareness level of students of government schools of class 11th and class 12th. There is no significant difference in environmental awareness level among girls in class 12th of government and non-government schools.

#### **Objective -**

1. To do A comparative study of the awareness of environmental education of the students of higher secondary government and private schools in the present time.
2. To do A comparative study of the awareness of environmental education of boys students of

higher secondary government schools and girls students of private higher secondary schools in the present time.

3. To do A comparative study of the awareness of environmental education of girl students of higher secondary government and private schools in the present time.

#### **Hypothesis -**

H<sub>01</sub>. In the present time, the awareness of environmental education of the students of higher secondary government and private schools will not be found to have significant effect.

H<sub>02</sub>. In the present time, the awareness of environmental education of the boys students of government higher secondary schools and girls students of higher private higher secondary schools will not be found to have significant effect.

H<sub>03</sub>. In the present time, the awareness of environmental education of girl students of higher secondary government and private schools will not be found to have significant effect.

#### **Sample -**

For the selection of samples, 04 higher secondary schools (02 government schools and 02 private schools) located in Agra district were selected and 160 students (80 boys and 80 girls) were selected in class 11 studying of these schools by simple random method.

**Tool -**

Environmental awareness ability measure With the help of Dr. Pravin Kumar Jha, a certified built instrument has been used to make a comparative study of the awareness of environmental education of the students of higher secondary level.

**Method -**

By selecting 04 schools (02 government and 02 private), 160 students

**Analysis Of Results And Interpretation -**

**Table 1: A comparative study of the awareness of environmental education of students of government and private higher secondary schools**

Group	N	Mean M	SD	D = $M_1 \sim M_2$	SE	CR value	significance
Government H.S. Schools Students	80	35-01	7-08	0-93	0-70	1-06	N.S.
Private H.S. Schools Students	80	34-08	3-34				

Not Significant: degree of freedom df = 158

According to the above **Table 1**, In the present time, the test score of the students of private Higher Secondary Schools (N = 80) got mean score 35.01 and standard deviation 7.08. Similarly, the test score of of the Students Government Higher Secondary Schools (N = 80) is mean 34.08 and standard deviation 3.34. more positive among the students of private higher secondary schools as compared to the awareness of environmental education among the students of government secondary schools. The deviation D between the two groups was found to be 0.93 and the standard error was 0.70. To know whether this difference is significant or not, the critical ratio value was calculated, whose value was obtained 1.06,

studying in class 11 of these schools, government schools (40 boys and 40 girls) and private schools (40 boys and 40 girls) were selected by simple random method. Environmental awareness ability scale was administered. Based on the scores, the master chart was prepared and the data was analyzed through critical ratio test and the results obtained. Conclusions were drawn on the basis result.

which is seen in the significance table at 0.05 and 0.01 level of the degree of freedom df (158), it is known that this value is from 1.96 and 2.58. is less . In the present time, no significant difference was found in the awareness of environmental education among the students of government and private higher secondary schools. displayed by **Figure 1**. The hypothesis made in the context of the above results,  $H_{01}$  "In the present time, the awareness of environmental education of the students of government and private higher secondary schools will not be found to have significant effect.", Therefore, the null hypothesis is accepted and there is no significant difference between the students of both the groups No

effect.

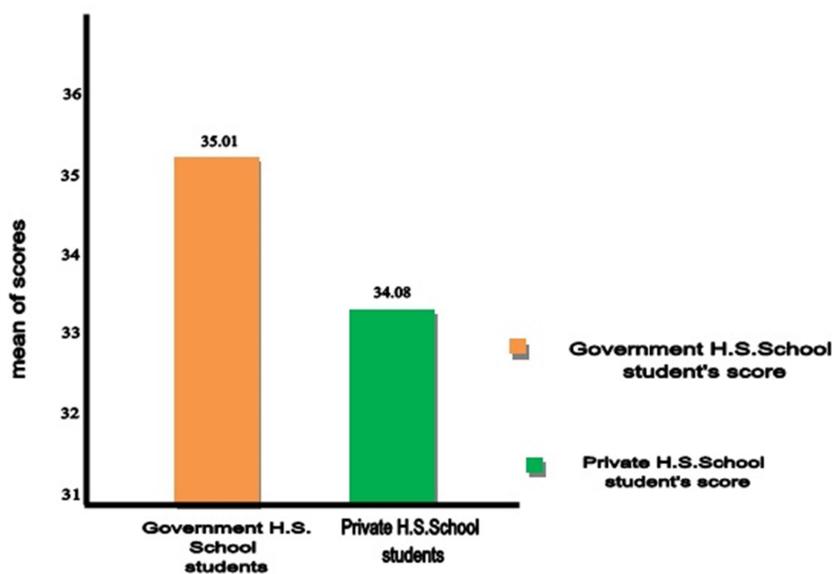


Figure 1: Environmental Education awareness of students of high secondary school

Table 2: A comparative study of the awareness of environmental education of boys students of Government schools and girls students of higher secondary private schools

Group	N	Mean M	SD	D = $M_1 \sim M_2$	SE	CR value	significance
Government H.S. Schools boys Students	40	34	7-61	0-85	1-10	0-65	N.S.
Private H.S. Schools girls Students	40	33-15	3-15				

Not Significant degree of freedom  $df = 78$

According to the above **Table 2**. In the present time, the test score of boys students of Government Higher Secondary Schools (N=40) of higher Secondary Schools got test score of mean score 34.00 and standard deviation 7.61. Similarly, the test scores of private higher secondary school girls students (N=40) mean of 33.15 and standard deviation of 3.15. It is known from the mean and standard deviation that the awareness towards environmental education of the boys students of private higher secondary schools is less

positive than that of the girls students of government higher secondary schools. The value of the deviation D was 0.85 and the standard error value of 1.10 was obtained between the two groups. To find out whether the difference is significant or not, the critical ratio value was calculated, which got the value of 0.65, which is 0.05 and 0.01 level of the degree of freedom  $df$  (78) and Looking at the significance table at 0.01 level, it is known that this score is less than 1.96 and 2.58. In the present time, there is no significant difference

in the awareness of environmental education among the boys students of government schools and girls students of private schools. displayed by **Figure 2**. Hypothesis taken with reference to the above results  $H_{02}$  "in the present time, the awareness of environmental education of boys students of government higher secondary schools and girls students of

private higher secondary schools will not be found to have significant effect.", so the null hypothesis is accepted and the government schools of higher secondary schools There is no significant difference between the boys students of the Governments schools and the girls students of private schools.

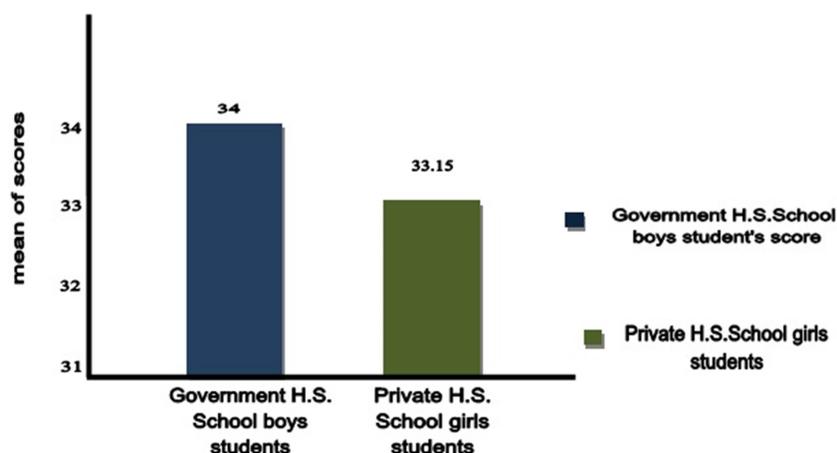


Figure 2: Environmental Education awareness of boys students government school and girls students of high secondary private school

Table 3: A comparative study of the awareness of environmental of girls students of higher secondary government and private schools

Group	N	Mean M	SD	D = $M_1 \sim M_2$	SE	CR value	significance
Government H.S. Schools girls Students	40	36.03	6.34	2.88	0.87	2.60	*0.01 level significant
Private H.S. Schools girls Students	40	33.15	3.15				

\*0.01 level significant degree of freedom  $df= 78$

According to the above **Table 3** In the present time, the test score of government higher secondary schools of girls students (N=40) got mean 36.03 and standard deviation 6.34. Similarly, the test score of girl students (N=40) of private higher secondary schools mean got 33.15 and the standard deviation 3.15. It is clear from the mean and standard deviation

that the awareness of environmental education of girl students of government higher secondary schools is higher than that of private higher secondary schools. more positive among girls students. The deviation between the two groups was found to be 2.88 and the standard error was 0.87. To know this difference is significant or not, the critical ratio

was calculated, whose value was found to be 2.60, which is seen in the significance table at 0.01 levels of the degree of freedom df (78), it is known that it is more than 2.58. In the present time, significant difference was found in the awareness of environmental education among the girls students of government and private higher secondary schools. displayed by

**Figure 3.** The hypothesis made with reference to the above results.  $H_{03}$ . "In the present time, the awareness of environmental education of girl students of higher secondary government and private schools will not be found to have significant effect", so the null hypothesis is rejected and there is significant effect between girls in both groups at the 0.01 level.

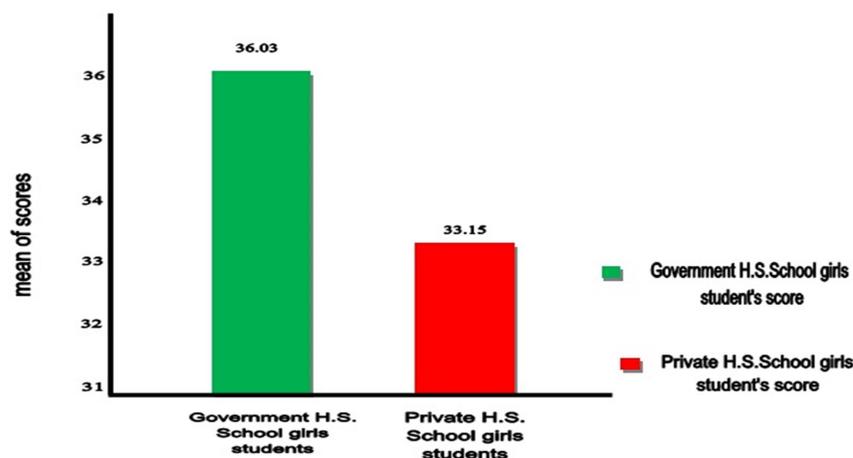


Figure 3: Environmental Education awareness of girls students of higher secondary government and private school

Test of Hypothesis			
Hypothesis	CR Value	Accepted/ Rejected	Significance level
$H_{01}$	1.06	Accepted	N.S.
$H_{02}$	0.65	Accepted	N.S.
$H_{03}$	2.60	Rejected	0.01 level Significant

**CONCLUSION -**

1. In the present time, no significant effect was found in the awareness of environmental education of the students of higher secondary government and private schools.
2. In the present time, no significant effect was found in the awareness of environmental education of boys students of government schools of

higher secondary schools and girls students of private schools.

3. In the present time, significant effect was found at 0.01 level in the awareness of higher secondary government and private schools. The awareness of environmental education of girl's student's private higher secondary schools was found to be less than that the girls students

of government higher secondary schools.

### Educational Implications -

In the present time, students are the citizens of the future and only teachers can create awareness about the environment through education. Therefore environmental education is necessary. The problems of the environment are very big problems of the

human society of the present environment. As long as the awareness and positive attitude towards the environment is not generated in the people, then environmental education laws made by all of us prove to be ineffective, environmental education can do important work in preventing and reducing environmental imbalance in the present environment and in future.



Figure 4: Environmental protection In the present time

### SUGGESTION -

To improve the environment, environmental awareness has to be analyzed in them, environmental education can play an important step in protecting our culture. The contribution of environmental education is essential for the biotic and non-living elements of nature to be equally close to nature. To establish an intimate relationship between students and people towards various components of the environment, as well as develop a sense of responsibility for environmental protection. Towards environmental protection explained by **Figure**

### 4.

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