



# A Study of Environmental Awareness of Higher secondary students of Bharuch city

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## Introduction

Environmental awareness important

Environmental awareness is critical because **it can help to minimise pollution and global warming**. It can also lead to a more sustainable world by promoting renewable resources such as solar, wind, and water

Environmental awareness is discussed and studied by many. However, to make an impact, we must be aware of the problems and solutions. Let us understand solutions because these issues are a need for change. We will start with what we are doing wrong and move toward what needs to be done to improve our **environment**. It is good to be aware of the Earth and its resources. There are many ways to take care of the environment, such as recycling and not littering the public spaces. Another way is by not driving your car if we don't need it. Instead, use public transportation, walk or bike.

Every day we hear about how our planet is changing. The need for **environmental protection** arises from the changes in rising carbon dioxide levels, which causes drastic changes in our environment. The rising levels of carbon dioxide result in changes in the atmosphere. Carbon dioxide traps heat and makes it difficult for plants to grow. When plant life dies, more carbon dioxide is released into the air. This can cause more temperature changes and less oxygen in the air. To help slow down this process, we have to take care of the environment before it is too late.

## OBJECTIVES

1. To study the attitude of male and female students about environmental awareness.
2. To study the effect of science and common stream students attitude towards environmental awareness.
3. To study the attitude of government students and semi government students environmental awareness.

## HYPOTHESIS

1. There will be no significant difference between mean score of male and female students for environmental awareness .
2. There will be no significant difference between mean scores of science stream students and common stream students for environmental awareness.
3. There will be no significant difference between mean scores of science stream male and female students towards their attitude of environmental awareness.
4. There will be no significant difference between mean scores of common stream male and female students towards their attitude of environmental awareness.
5. There will be no significant difference between mean scores of government and semi Government students towards their attitude of environmental awareness.
6. There will be no significant difference between mean scores of government male and female students towards their attitude of environmental awareness.

7. There will be no significant difference between mean scores of semi-government male and female students towards their attitude of environmental awareness.

## METHODOLOGY

Survey method was used to study the effectiveness of students attitude towards their environmental awareness in higher secondary schools.

## VARIABLES

1. Male-Female students
2. Science and Common stream students
3. Government and Semi-Government students

## PARTICIPANTS

Higher secondary school students were randomly selected from Bharuch city took part in this study.

1. Higher secondary school of male and female students.
2. Science and common stream students.
3. Government and semi government students.

## INSTRUMENTS

Student's awareness was measured by Inventory of Dr. Praveen Kumar Jha. There are two points + with 51 items. Students should given their positive and negative answer in two ways: (1) Agree (2) Disagree. Teachers should tick (√) among one of two options.

## RESULTS

The results obtained from the analysis are presented in following tables. Tables showing mean, S.D. and 't' scores of attitude towards their environmental awareness of higher secondary students.

**TABLE-1**  
**Significant difference of mean score of male students and female students**

Group Number	Number	Mean	S.D	't' test
Male Students	239	122.51	15.36	1.49
Female Students	61	125.80	15.62	

Above table reveals that 't' test value of male and female secondary teacher's attitude towards their environmental awareness is significant at 0.05 level.

**TABLE-2**  
**Significant difference of mean score of science stream students and common stream students.**

Group	Number	Mean	S.D.	't' test
Science Stream	83	125.89	14.90	1.89
Common Stream	217	122.14	15.56	

Above table reveals that 't' test value of science stream students and common stream students attitude towards their environment awareness is significant at 0.05 level

TABLE-3

Significant difference of mean score of science stream male and female students.

Group	Number	Mean	S.D.	't' test
Male Students	73	126.08	14.48	0.31
Female Students	10	124.50	18.47	

Above table reveals that 't' test value of science stream male and female higher secondary students attitude towards their environment awareness is significant at 0.05 level.

TABLE-4

Significant difference of mean score of common stream male and female students.

Group	Number	Mean	S.D.	't' test
Male Students	166	120.94	15.51	2.07
Female Students	51	126.06	18.91	

Above table reveals that 't' test value of common stream male and female higher secondary students attitude towards their environment awareness is significant at 0.01 level.

TABLE-5

Significant difference of mean score of Government and Semi government students.

Group	Number	Mean	S.D.	't' test
Government Students	58	121.47	15.64	0.9
Semi-Government Students	242	123.59	15.40	

Above table reveals that 't' test value of government and semi-government attitude towards their environment awareness is significant at 0.01 level.

TABLE-6

Significant difference of mean score of Government male students and female students.

Group	Number	Mean	S.D.	't' test
Male Students	46	119.72	15.05	1.69
Female Students	12	128.17	16.72	

Above table reveals that 't' test value of government male and female students attitude towards their environment awareness is significant of 0.05 level.

TABLE-7

Significant difference of mean score of Semi-government male students and female Students.

Group	Number	Mean	S.D.	't' test
Male Students	193	123.18	15.39	0.83
Female students	49	125.22	15.49	

Above table reveals that 't' test value of semi-government male and female higher secondary students attitude towards their environment awareness is significant at 0.01 level.

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