



# Construction and Validation of a Scale measuring the Social Maturity of Higher Secondary Students

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## Abstract

This Social Maturity scale developed with 59 statements and after pilot study 46 statements retained. This scale is prepared for the students of higher secondary level (15-17 years of age). The final version of the Social Maturity Scale has been prepared with 46 valid items. The final version of the Social Maturity Scale has been prepared with 46 valid items with options as A-Strongly Agree, B-Agree, C-Undecided, D-Disagree, and E-Strongly Disagree. The scoring is 4, 3, 2, 1, and 0 for positive statements and reverse for the Negative statements.

**Key words:** Construction and Validation, Social Maturity Scale, Higher Secondary students

## Introduction

One of the major objective of the present study is to develop and validate a tool for measuring the Social Maturity of higher secondary students. As the first step in the construction of a scale is the collection of a large number of statements, both negative and positive kinds, statements were prepared. For the preparation of statements, the guidelines recommended by Allen L. Edwards (1957), were followed.

## Pilot Study

For the selection of sample for the pilot study, Simple random sampling technique has been used. 200 eleventh standard students have been selected. By referring popular articles on magazines, journals and related literature 59 statements pertaining to the Social Maturity.

### Items analysis and Selection of the Items

The tool used for Pilot study consists of 59 statements with options as A-Strongly Agree, B-Agree, C-Undecided, D-Disagree, and E-Strongly Disagree. The scoring is 4, 3, 2, 1, and 0 for positive statements and reverse for the Negative statements. The scoring done and the master table prepared with the data. The data were arranged in ascending order and the top 25% and lower 25% , ie, 50 +50 =100 individual samples' scores were taken for the analysis. Using Allen L. Edward's proposed formula, the 't' values were calculated for each statement.

On the basis of the calculated 't'- value, the items which are above 1.75 have been selected and these items were for the final study. Totally 46 items were included in the final study.

**Table No.1**  
**Items analysis and Selection of the Items**

#	Statement No. in the Pilot Study	't' Value	Remarks
1.	1.	1.96	Selected
2.	2.	2.08	Selected
3.	3.	1.15	<b>Deleted</b>
4.	4.	2.63	Selected
5.	5.	4.32	Selected
6.	6.	3.02	Selected
7.	7.	1.21	<b>Deleted</b>
8.	8.	2.04	Selected
9.	9.	0.53	<b>Deleted</b>
10.	10.	1.93	Selected
11.	11.	3.06	Selected
12.	12.	2.58	Selected
13.	13.	3.53	Selected
14.	14.	2.29	Selected
15.	15.	1.98	Selected
16.	16.	2.06	Selected
17.	17.	1.96	Selected
18.	18.	3.18	Selected
19.	19.	2.14	Selected
20.	20.	4.03	Selected
21.	21.	2.22	Selected
22.	22.	1.45	<b>Deleted</b>

23.	23.	2.35	Selected
24.	24.	2.48	Selected
25.	25.	2.36	Selected
26.	26.	3.50	Selected
27.	27.	1.93	Selected
28.	28.	3.00	Selected
29.	29.	2.09	Selected
30.	30.	0.21	<b>Deleted</b>
31.	31.	2.38	Selected
32.	32.	1.18	<b>Deleted</b>
33.	33.	2.07	Selected
34.	34.	2.36	Selected
35.	35.	3.5	Selected
36.	36.	0.71	<b>Deleted</b>
37.	37.	2.4	Selected
38.	38.	2.33	Selected
39.	39.	2.41	Selected
40.	40.	1.87	Selected
41.	41.	1.43	<b>Deleted</b>
42.	42.	2.33	Selected
43.	43.	1.92	Selected
44.	44.	1.01	<b>Deleted</b>
45.	45.	3.32	Selected
46.	46.	1.19	<b>Deleted</b>
47.	47.	1.65	<b>Deleted</b>
48.	48.	1.33	<b>Deleted</b>
49.	49.	3.54	Selected
50.	50.	1.91	Selected
51.	51.	2.72	Selected
52.	52.	2.06	Selected
53.	53.	1.65	<b>Deleted</b>
54.	54.	3.94	Selected
55.	55.	2.15	Selected
56.	56.	2.92	Selected
57.	57.	2.7	Selected
58.	58.	2.79	Selected
59.	59.	2.04	Selected

### Scoring Procedure

The final version of the Social Maturity Scale has been prepared with 46 valid items with options as A-Strongly Agree, B-Agree, C-Undecided, D-Disagree, and E-Strongly Disagree. The scoring is 4, 3, 2, 1, and 0 for positive statements and reverse for the Negative statements. The pupil obtaining a score in the range of

0 - 46 - Very low level Social Maturity

Above 46 and below 92 - low level Social Maturity

Above 92 and below 138 - Moderate level Social Maturity

Above 138 and upto184 - High level Social Maturity

### Reliability and Validity of the tool

The Reliability of the Social Maturity Scale was determined by Split-Half method. The scale was divided into two halves and each half was treated as a separate test. The reliability of the test by Split-half technique (consistency) followed by the use of Spearman-Brown Prophecy formula is found to be 0.86.

The validity has been established by a panel of experts, faculty members from the Department of Education and School Teachers. The Intrinsic validity has been calculated and the validity co-efficient was found to be 0.86. The Intrinsic validity of the Scale was found to be high.

### Social Maturity Scale

**(Shanthamurthy C and Venkataraman S, 2020)**

Note : Please put a tick mark according to your opinion A) Strongly Agree, B) Agree, C) Undecided, D) Disagree, E) Strongly Disagree

#	Statements	A	B	C	D	E
1.	Many times I do not listen to others.					
2.	I am not interested in helping others.					
3.	I can't maintain friendship with those who are not having like mindedness with me.					
4.	I feel very much on others' criticism.					
5.	If the members are against my view I will quit the group.					
6.	People used to lie for the sake of saving their status.					
7.	I am able to cope up even with people who do not know anything about the work in hand.					
8.	I used to close the fights with near and dears within short period.					
9.	I believe that man is superior to woman.					
10.	I often quarrel with my peer.					
11.	I am not able to understand other's views.					
12.	If any one share his updated views I got irritated.					
13.	I know, many things around us are useless.					
14.	I get along well with all the students and Teachers.					
15.	There are many incomplete works in my hand.					

16.	I am waiting for an all good day.					
17.	I want to stick on with my religion only.					
18.	I search for some religious and community peers to make them friends.					
19.	Its not easy for me to ask for help at anyone.					
20.	I like to have friends of my own sex only.					
21.	If we openly criticize others they may hurt a lot.					
22.	I don't like reservation policies of all kind.					
23.	I often realize that I should work hard for the betterment of the society.					
24.	I don't want to express any of premature ideas.					
25.	I have many friendship breakup.					
26.	My friends often says that they could not grasp what I intend to communicate.					
27.	During decision making situation I used to wait for others' concurrence.					
28.	There are some sort of errors in all the events.					
29.	I don't hesitate to mingle with people of other language.					
30.	I believe that I am perfect in all.					
31.	People easily understand my speech.					
32.	I am willing to work for the betterment of poor.					
33.	I used to hesitate to lead the work.					
34.	If anyone lose an argument, it is obvious that he/she will get angry.					
35.	If I am not interested I won't accept to work.					
36.	Neighbors are easily accessible to me.					
37.	If I felt hurt I could not keep myself cool.					
38.	I prefer to work for myself than working for others.					
39.	I can convince others through my speech.					
40.	I don't like to have friendship with who is not having good wavelength with me.					
41.	When we argue for something, we should have clear idea about it.					
42.	It is wise to use limited extent when, someone is need of it.					
43.	I am able to understand my teachers' thoughts.					
44.	I am not interested in giving donation for others' welfare.					
45.	I used to get frustrated when I got cheated by my dears and					

	nears.						
46.	We have to accept the society as it is.						

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