



# Appendices

# APPENDICES

## APPENDIX –A

ATTITUDE TOWARDS MATHEMATICS INVENTORY

## APPENDIX - B

CAREER CHOICE QUESTIONNAIRE

## APPENDIX – C

SOCIAL PROFILE

## ATTITUDES TOWARD MATHEMATICS INVENTORY

Name \_\_\_\_\_

School \_\_\_\_\_

Teacher \_\_\_\_\_

**Directions:** This inventory consists of statements about your attitude toward mathematics. There are no correct or incorrect responses. Read each item carefully. Please think about how you feel about each item. Enter the letter that most closely corresponds to how each statement best describes your feelings. Please answer every question.

PLEASE USE THESE RESPONSE CODES:

- A – Strongly Disagree
- B – Disagree
- C – Neutral
- D – Agree
- E – Strongly Agree

1.	Mathematics is a very worthwhile and necessary subject.	
2.	I want to develop my mathematical skills.	
3.	I get a great deal of satisfaction out of solving a mathematics problem.	
4.	Mathematics helps develop the mind and teaches a person to think.	
5.	Mathematics is important in everyday life.	
6.	Mathematics is one of the most important subjects for people to study.	
7.	High school math courses would be very helpful no matter what I decide to study.	
8.	I can think of many ways that I use math outside of school.	
9.	Mathematics is one of my most dreaded subjects.	
10.	My mind goes blank and I am unable to think clearly when working with mathematics.	
11.	Studying mathematics makes me feel nervous.	
12.	Mathematics makes me feel uncomfortable.	
13.	I am always under a terrible strain in a math class.	
14.	When I hear the word mathematics, I have a feeling of dislike.	
15.	It makes me nervous to even think about having to do a mathematics problem.	
16.	Mathematics does not scare me at all.	
17.	I have a lot of self-confidence when it comes to mathematics.	
18.	I am able to solve mathematics problems without too much difficulty.	
19.	I expect to do fairly well in any math class I take.	
20.	I am always confused in my mathematics class.	
21.	I feel a sense of insecurity when attempting mathematics.	
22.	I learn mathematics easily.	
23.	I am confident that I could learn advanced mathematics.	
24.	I have usually enjoyed studying mathematics in school.	
25.	Mathematics is dull and boring.	
26.	I like to solve new problems in mathematics.	
27.	I would prefer to do an assignment in math than to write an essay.	
28.	I would like to avoid using mathematics in college.	
29.	I really like mathematics.	
30.	I am happier in a math class than in any other class.	
31.	Mathematics is a very interesting subject.	
32.	I am willing to take more than the required amount of mathematics.	
33.	I plan to take as much mathematics as I can during my education.	
34.	The challenge of math appeals to me.	
35.	I think studying advanced mathematics is useful.	
36.	I believe studying math helps me with problem solving in other areas.	
37.	I am comfortable expressing my own ideas on how to look for solutions to a difficult problem in math.	
38.	I am comfortable answering questions in math class.	
39.	A strong math background could help me in my professional life.	
40.	I believe I am good at solving math problems.	

Questions for career choice

1. What would you want to become in your life?  
.....
2. What is aim of your life with respect to career?  
.....
3. What do you think which career is best for you?  
.....
4. Why you believe this it is best for you?  
.....
5. Are you influenced by any one in your surrounding?  
By family/ neighbour/ community /relatives  
.....
6. Who is your role model / inspiration?  
.....
7. Did he/she influence you?  
.....
8. Why you like them?  
.....
9. Which career quality of them affects you?  
.....
10. Which subject you will opt in 11<sup>th</sup> class?  
.....
11. Subject you will choose will be of your own choice or you will follow anyone's advice?  
.....
12. What are your plans to move for this career?  
.....
13. What are other options except this you would choose?  
.....
14. Would your opted subject is based on your desired career?  
.....
15. Where will you see yourself after 10 years?  
.....
16. Which post is best for you after 10 years?  
.....

17. What will you do after completing your study?

.....

18. Does the chosen subject will be helpful in this?

.....

19. In what ways you use your subjective knowledge?

.....

20. If you find yourself not satisfied with your choice then what will you do?

.....

21. Do you think mathematics is helpful in your career? Yes/ No then why?

.....

22. Why do you think mathematics interesting / disinteresting / neutral?

.....

23. Do you think perceived career is different from future career?

.....

24. Is there any difference between career and occupation?

.....

25. Who is your favourite subject teacher and why u like him / her ?

.....

## Social Profile of student

Name:

Age:

Class:

Section:

Gender:

Name of the School:

Name of Father:

Occupation of Father:

Name of mother:

Occupation of Mother:

No. of members in family:

Family type: joint/ nuclear

Address:

Any relative in government job:

Yes then name, designation and organization name:

Any relative in private job/ occupation:

Yes then name, occupation /job:

Salary of Father:

Hobbies:

Have you given any competitive exam:

Name: