

APPENDIX 8.2

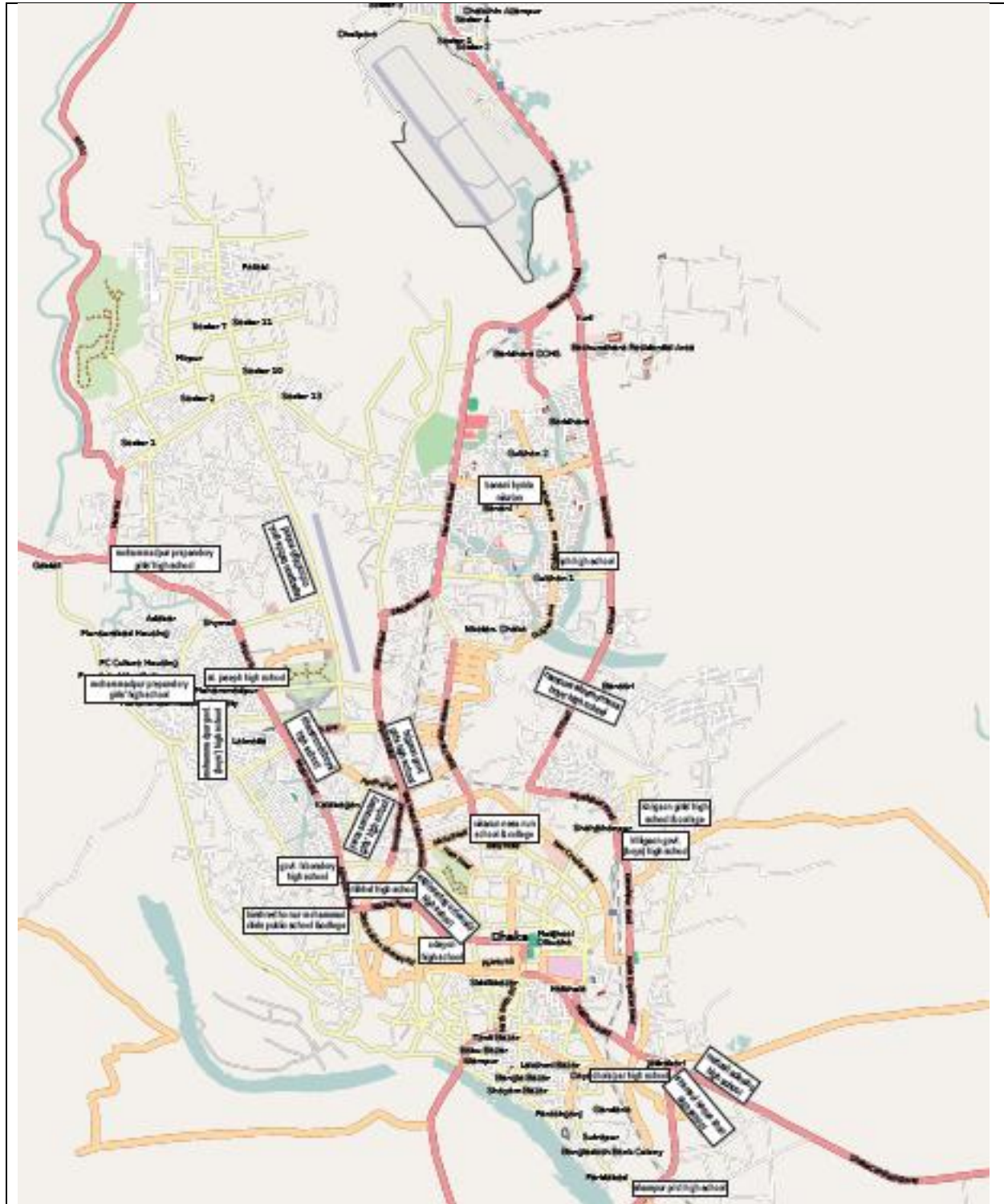
Gross and Net school effects of Meta-analysis findings (from Scheerens & Bosker's 1997:76)

	Gross School Effect		Net School Effect	
	Effect	S.E.	Effect	S.E.
Unconditional model				
Mean gross effect	0.4780	0.0191	0.3034	0.0169
Variance across studies	0.0332	0.0056	0.0111	0.0031
Variance across replications	0.0070	0.0015	0.0063	0.0016
Conditional model				
Intercept	0.3106	0.0038	0.2885	0.0486
Primary	0.0000	0.0000
Secondary	0.0732	0.0384	-0.0116	0.0324
Language	0.0000	0.0000
Mathematics	0.0175	0.0196	0.0624	0.0177
Composite	0.1315	0.0481	0.1740	0.0597
Science	0.0001	0.0629	0.0820	0.0677
The Netherlands	0.0000	0.0000
United Kingdom	-0.0389	0.0614	-0.0648	0.0391
Europe-other countries	0.0855	0.0503	-0.0788	0.0665
North America	0.0829	0.0571	0.0098	0.0494
Other industrialised	0.0023	0.0611	-0.0090	0.0537
Third World countries	0.2638	0.0859	0.1812	0.0790
Residual variance across studies	0.0290	0.0048	0.0078	0.0022
Residual variance across replications	0.0065	0.0013	0.0045	0.0011
Percentage of variance accounted for	11.69%		29.31%	

Note: The gross school effects are based on 153 replications with no adjustment for initial differences between students and schools. The net school effects are based on 89 replications for which adjustments do initial differences between students and schools have been made.

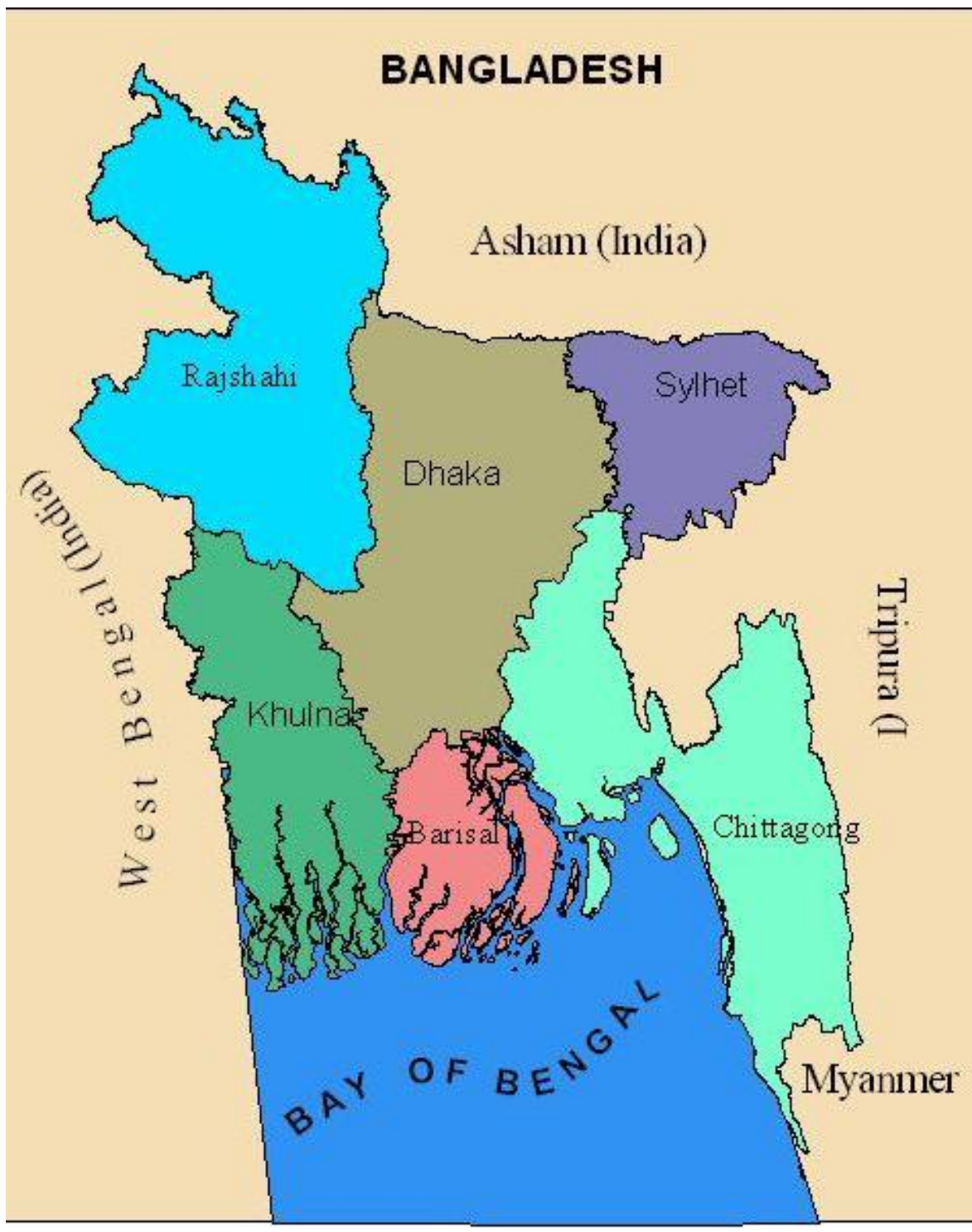
APPENDIX 8.3

Dhaka Metropolitan City Map (with schools locations)



APPENDIX 8.4

MAP OF BANGLADESH



APPENDIX 8.5

LIST OF 45 SAMPLE SCHOOLS

School code	School Name	Police station/Address
A-1	Shamsul Haque Khan High School	Demra/ Matuail, Demra, Dhaka- 1362.
A-2	Govt. Laboratory High School	Dhanmondi/Newmarket, Dhaka 1209.
A-3	YWCA Secondary Girls' High School	Dhanmondi/Green Road, Dhaka-1205.
A-4	Banani Bydda Niketon	Gulshan/Banani, Dhaka-1213.
A-5	Mohammadpur Govt. (Boys') High School	Mohammadpur/Mohammadpur, Dhaka- 1207.
A-6	Mohammadpur Preparatory (Girls') High School	Mohammadpur/Mohammadpur Iqbal Road, Dhaka-1207.
A-7	St. Joseph High School	Mohammadpur/PO Box-10016, Mohammadpur, Dhaka-1207.
A-8	Dhanmondi Govt. (Boys') High School	Mohammadpur/Mohammadpur, Dhaka-1207.
A-9	Khilgaon Govt. (Boys') High School	Khilgaon/Khilgaon, Dhaka-1219
A-10	Vikarun Nesa Nun School & College	Ramna/Ramna, Dhaka-1000.
A-11	Engineering University High School	Ramna/Ramna, Dhaka-1000.
A-12	Udayon High School	Ramna/Ramna, Dhaka-1000.
A-13	Tejgaon Govt. Girls' High School	Tejgaon/Tejgaon, Dhaka-1215.
A-14	Rajuk Uttara Model School & College	Uttara/ Uttara Model Town, Dhaka 1230.
A-15	Birshresstho Nur Mohammadrifle Public School & College	Lalbag/ Newmarket, Dhaka-1205.
B-16	Matuail Adarsho High School	Demra/ Matuail, Demra, Dhaka-1362.
B-17	IPH High School	Gulshan/Gulshan, Dhaka-1212.
B-18	Agargaon Taltola Govt. Coloni High School	Mohammadpur/Shere-Bangla Nagar, Mohammadpur, Dhaka-1207.
B-19	Khilgaon Girls' High School & College	Kilgaon/Khilgaon, Dhaka-1219.
B-20	Rampura Akramunnesa Boys' High School	Khilgaon/Khilgaon Dhaka-1219
B-21	Nilkhet High School	Ramna/Ramna, Dhaka-1000
B-22	Dholaipar High School	Shampur/Dholaipar, Dhaka-1204.
B-23	Shampur Pilot High School	Shampur/Shampur, Dhaka-1204.
B-24	Tejgaon Govt. High School	Tejgaon/Tejgaon, Dhaka-1215.
B-25	Gonobhaban Govt. High School	Tejgaon/Tejgaon, Dhaka-1215.
B-26	Civil Aviation High School	Uttara/Uttara Model twon, Dhaka-1230.
B-27	Kamarpara High School	Uttara/Nishat Nagar, Uttara, Dhaka.
B-28	Pogos High School	Kotoali/Dhaka Sadar, Dhaka-1100.
B-29	Ahammed Bawani Academy	Kotoali/Armanitola, Dhaka-1100
B-30	West End High School	Lalbag/Newmarket, Dhaka-1205.
C-31	Shahid Zia Girls' High School	Demra/Jatrabari, Demra, Dhaka- 1204.
C-32	Dogair Rostom Ali High School	Demra/Sarulia Demra, Dhaka-1362
C-33	Rayer Bazar High School	Dhanmondi/Rayer Bazar, Dhaka-1209.
C-34	Mohakhali Model High School	Gulshan/Gulshan, Dhaka-1212.
C-35	New Model Pilot High School	Mohammadpur/Shukrabad, Mohammadpur, Dhaka- 1207
C-36	Agargaon Adarsha High School	Mohammadpur/Shere- Bangla Nagar, Mohammadpur, Dhaka-1207
C-37	Dhaka Presidency School	Mohammadpur/Tajmohol Road, Mohammadpur, Dhaka-1207.
C-38	Khilgaon High School	Khilgaon/ Khilgaon Dhaka-1219.
C-39	Iskaton Garden High School	Ramna/Shanti Nagar, Dhaka-1217.
C-40	Bhasa Prodip High School	Shampur/Postogola, Faridabad, Dhaka-1204.
C-41	Bijipress High School	Tejgaon/Tajgaon Industrial Area, Dhaka-1208.
C-42	Tejgaon Model High School	Tejgaon/Tejgaon, Dhaka-1215.
C-43	Diabari Adarsha High School	Uttara/Nishat Nagar, Uttara, Dhaka.
C-44	Anowara Begum Muslim Girls' High School	Kotoali/Chalk Bazar, Dhaka-1100.
C-45	New Palton Line High School	Lalbag/Newmarket, Dhaka-1205.

APPENDIX 8.6.1
(English version Questionnaires)

- a. Police Station:
- b. Name of the student:
- c. Father's Name:
- d. Mother's Name:
- e. Name of the School:
- f. Student's Class Roll Number:

Roll No.			
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Pupil's Questionnaire

Dear Student,

I am a Ph. D. student in the School of education at Nottingham University in England. As a part of my Ph. D. research, I am collecting information about pupils' views and experiences of the schools in Bangladesh. The questionnaires are about yourself, your school and your home. Remember this is not a test like your school examination and there are no 'correct' or 'wrong' answers. Please answer each question clearly, honestly and according to your own opinion without missing any. This questionnaire is confidential and its completion is a matter of your own free will. Thank you for your help.

Part-A: (Learning activities and home learning environment)

1. How many hours do you spend on your study at home (outside of school) every day?
 - 1-2 hours 3-4 hours
 - 5-6 hours 7 hours or more
2. What is your study environment at home like?
 - I do not have a study place at home.
 - I have a study place but I've to share it with my sister/s and brother/s
 - I have my own separate study place at home.
3. How many text books do you have to use at home?
 - All text books Almost all books (7-10)
 - Few books (1-6) None
4. What educational materials do you usually use, apart from your school text books (tick all that apply)?
 - Teacher-made/Coaching centre's notes
 - Guide/ books of notes
 - Notes collected from others' (e.g. senior students)
 - Notes prepared by yourself
 - Reference books, used in the Higher Class
 - Encyclopaedia
 - Dictionary
 - Educational magazine
 - Others.....(please give details)
5. Do you have access to the following at home?
 - Computers Internet
 - No facilities

6. (a) Do your parents provide you with the following facilities to obtain good results in the examination?

- Private tutor Coaching centre
 Both No facilities

(b) Which subjects do you study there (tick all that apply)?

Main subjects	Group-A Science subjects	Group-B Commerce subjects
<input type="checkbox"/> Bengali-I <input type="checkbox"/> Bengali-II <input type="checkbox"/> English-I <input type="checkbox"/> English-II <input type="checkbox"/> General Maths <input type="checkbox"/> Religion Education	<input type="checkbox"/> Elective Maths <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Biology <input type="checkbox"/> Computer Science <input type="checkbox"/> Social Science <input type="checkbox"/> Agriculture Studies	<input type="checkbox"/> Accounting <input type="checkbox"/> Commercial Geography <input type="checkbox"/> Business Studies <input type="checkbox"/> Business Enterprise <input type="checkbox"/> Computer Science <input type="checkbox"/> General Science <input type="checkbox"/> Agriculture Studies

7. How often do your parents talk to you about your school or school work?

- Every day Frequently
 Sometimes Hardly ever
 Never

8. How many hours does your father help you in your studies (per week on average)?

- never helps 1 or less than 1 hour
 2 hours 3 hours
 4 hours or more

9. How many hours does your mother help you in your studies (per week on average)?

- never helps 1 or less than 1 hour
 2 hours 3 hours
 4 hours or more

10. How many hours (per week on average) you have any help in your studies from someone (e. g. elder brother or sister; grandmother, grandfather; uncle or aunt; neighbour) in addition to your parents?

- No help 1 hour or less
 2 hours 3 hours
 4 hours or more

11. Does your family subscribe to or often (at least once a week) buy a newspaper or magazine?

- Yes No

12. What do your parents (or others at home) do, when you achieve a good result in your school examination?

- Nothing Do not give anything but are pleased
 Sometimes give a present Always give a reward/gift

13. How many hours do you watch television (per day on average)?

- 1 hour or less 2-3 hours
 4 hours or more I don't watch TV

14. Does your family encourage you to participate in other types of activities (i.e. co-curricular activities) apart from your school study?

- Yes No

15. In general, how are most of the decisions between you and your father/mother made?

1. My father/mother usually doesn't care what I do.
 2. Usually, I can do what I like regardless of what my father/mother thinks.
 3. Usually, I can make my own decisions but my father/mother would like me to consider their opinion.
 4. My opinions are usually as important as my father's/mother's in deciding what I should do.
 5. I have considerable opportunity to make my own decisions but my father/mother usually has the final word.
 6. My father/mother listen/s to me but usually they make the decision.
 7. My father/mother just tell/s me what to do.

Part-B: (Teacher's interaction with their students)

Statements	Always	Frequently	Usually	Hardly ever	Never
16. The way teachers treat me is fair.					
17. Teachers praise me when I work hard.					
18. If I do not do my homework, the teachers notice it.					
19. Teachers help me to understand my lesson.					
20. Teachers listen to what I say.					
21. Teachers encourage me to perform well.					
22. In my view, teacher- given homework is useful.					
23. Teachers give me feedback about the quality of my work.					
24. Teaching learning activities in school seems boring to me.					

Part-C: (Personal information)

25. Gender: Male Female

26. Age:

Year	Month	Day

27. GPA and Grade obtained in the last exam (year IX):

GPA		Grade	
5		A+	
4-4.99		A	
3.5-3.99		A-	
3- 3.49		B	
2-2.99		C	
1-1.99		D	
0-.99		F	

ASDQ II INSTRUMENT

NAME: _____	AGE: _____ (Year) _____ (mths)	Date: / /
MALE/FEMALE (circle one)	GROUP: Science/Commerce (circle one)	

ROLL NO.				
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PLEASE READ THESE INSTRUCTIONS FIRST

This is not a test and there are no right or wrong answers.

Your answers are confidential and will only be used for research or programme development. Your answers will not be used in any way to refer to you as an individual. This is a chance for you to look at how you think and feel about yourself. It is important that you are honest and that you give your own views about yourself, without talking to others.

On the following pages are a series of statements that are more or less true (or more or less false) descriptions of you. Please use the following eight-point response scale to indicate how true (or false) each item is as a description of you. Respond to the items as you now feel, even if you felt differently at some other time in your life. In a few instances, an item may no longer be appropriate to you, though it was at an earlier period of your life. In such cases, respond to the item as you would have done when it was appropriate.

After completing all the items, you will be asked to select those that best describe important aspects—either positive or negative—of how you feel about yourself. Consider this as you are completing the survey. Use the following eight-point scale to indicate how true (like you) or how false (unlike you), each statement over the page is as a description of you. Please do not leave any statements blank.

1	2	3	4	5	6	7	8
Definitely False	Mostly False	False	More false than true	More true than false	Mostly true	True	Definitely True

Statements	False True							
1. People come to me for help in most school subjects.	1	2	3	4	5	6	7	8
2. I am too stupid at school to get into a good university.	1	2	3	4	5	6	7	8
3. If I work really hard, I could be one of the best students in my school year.	1	2	3	4	5	6	7	8
4. I get bad marks in most school subjects.	1	2	3	4	5	6	7	8
5. I learn things quickly in most school subjects.	1	2	3	4	5	6	7	8
6. I am stupid at most school subjects.	1	2	3	4	5	6	7	8
7. I do well in tests in most school subjects.	1	2	3	4	5	6	7	8
8. I have trouble with most school subjects.	1	2	3	4	5	6	7	8
9. I am good at most school subjects.	1	2	3	4	5	6	7	8
10. Most school subjects are just too hard for me.	1	2	3	4	5	6	7	8

Thank you very much for your kind co-operation

X _____

- a. Police Station :
- b. Name of the student:
- c. Father's Name:
- d. Mother's Name:
- e. Name of the School:
- f. Student's class Roll Number:

Roll Number	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Parent's Questionnaire

Dear Parents,

I am a Ph. D. student in the School of Education at Nottingham University in England. I would be obliged if you could spend spare some time in filling out this questionnaire. Please answer all the questions clearly and honestly without hesitation, as this questionnaire will not be used for your child's assessment. Please note that this will be used only for my Ph. D. research to obtain information about your child's home. This questionnaire is confidential, as the result will be anonymous and its completion is a matter of your own free will.

Please write your answer to the following questions in the space provided and tick (✓) the answer which you think is most appropriate to you. Thank you for your kind co-operation.

Information regarding family background

1. Family type:

Joint Family	<input type="checkbox"/>
Nuclear Family (Father-Mother and child/children)	<input type="checkbox"/>
Single Family (Father or mother and child/children)	<input type="checkbox"/>

2. Number of children in your family:

Sons	Daughters	Total
<input type="text"/>	<input type="text"/>	<input type="text"/>

3. What is the position (birth order) of the particular child participating in the survey (if s/he is the oldest one, tick in 1 and so forth):

- 1st 2nd 3rd 4th 5th or more

4. Education of the parents or guardians (if retire or deceased, final education)

Educational qualification	Father	Mother
No education or primary level education	<input type="checkbox"/>	<input type="checkbox"/>
Junior secondary education (I-VIII)	<input type="checkbox"/>	<input type="checkbox"/>

Attended secondary (IX-X) school		
Completed secondary school (SSC)		
Higher secondary school (HSC)		
Tertiary level of education (i.e. B. A. /B. Sc./ M. A. /M. Sc. etc.)		

5. Occupation of the parents or guardians (if retire or deceased, final occupation)

Occupation	Father	Mother
Service holder		
Professional (e.g. Doctor, Engineer, Lawyer, Teacher etc.)		
Business		
Others (e.g. work in agricultural sector; garment worker; rickshaw puller; Self-employment e.g. day labourer, grocery man etc.)		
Unemployment/House wife		

6. Monthly household income

Income range	
≥ 10,000 (or less)	
10,001-20,000	
20,001-30,000	
30,001- 40,000	
40,001- 50,000	
50,001(or more) ≥	

Thank you very much for your kind co-operation

_____ x _____

- a. Police Station:
- b. Subject : Bengali/ English/Mathematics
- c. Name of the School:

Teacher's Questionnaire

Dear Teacher,

As a Ph. D. student at the School of Education of the University of Nottingham in England, I would like to ask you to spare some time to fill out this questionnaire. Please answer all the following questions, which will be used only for research purposes to obtain a clear picture about you and your school. Some of the questions are about you and others are related to your teaching methods and your school. I firmly believe that your information and co-operation will help me to identify the factors which make the school effective. Therefore, please answer the questions honestly and fully, without missing any, as your answers will be kept confidential. The result will be anonymous and the completion of the questionnaire is totally dependent on your co-operation.

Please closely follow the instructions

- Write your answer to the following questions in the space provided.
- Tick (✓) the best choice or most appropriate answer.

If any question is not clear to you, please ask the researcher about it. Please find some time between teaching sessions to contribute to my study. Thank you for your help.

Part-A: (Teaching process related information)

1. How long do you spend per week on average for lesson planning?
 - 1 hour 2 hours
 - 3 hours 4 hours or more
 - Never spend time on lesson plans
2. (a) How often do you give homework ?
 - Every day Frequently
 - Sometimes Hardly ever
 - Never give homework
- (b) How long do you spend per week on average for homework checking or correcting (at home and at school)?
 - 1 hour 2 hours
 - 3 hours 4 hours or more
 - Never spend time on homework

Items	Always	Often	Sometimes	Seldom	Never
3. In my class, I only use prescribed textbooks.					
4. In my class, I use Notes/Guide books along with prescribed textbooks.					
5. I use the following teaching aids in my classes: (a) Charts (b) Pictures					
6. I use the following teaching methods in my classes: (a) only lecture method (b) group discussions (c) assign group projects (d) only memorisation					
7. I do not allow the students to ask questions during the lesson.					

Part-B: Your view about Head teacher leadership

Please indicate how accurately each statement describes your leader-

Items	Always	Often	Sometimes	Seldom	Never
8. Is friendly when you talk to him/her.					
9. Discusses school problems in a productive way.					
10. Shares many ideas for improving teaching and learning activities.					
11. Keeps everyone informed about school management procedures.					
12. Is heavily involved in what is happening to teachers and students.					
13. Asks questions/monitor about what teachers are doing in their classrooms.					
14. Provides guidelines for efficient operation of the school.					
15. Keeps constant pressure to increase effective teaching.					
16. Puts stress on teaching staff being competent.					
17. Likes to keep up-to-date with teaching learning outcomes in the regular official meeting.					
18. Acts after consulting the teaching staff.					
19. Keeps the teaching staff working up to capacity.					
20. Is not willing to make changes in teaching-learning activities.					
21. Likes to force teachers for hard working.					

Part-C: Administrational Effectiveness/ Effective Management

Statements	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
22. The availability of administrative facilities is adequate for teacher professional development.					
23. The availability of administrative facilities motivates the teachers to increase their teaching learning capability.					
24. The administration lets the teaching staff know what is expected from them.					
25. The channels/links between the administration and teaching staff are not adequate.					
26. The administration provides sufficient teaching and learning facilities (i.e. class schedules, teaching materials, teaching aids, meeting, etc.)					

27. The administration always helps to solve instructional or class arrangement problems.					
28. School administration behaviour towards the staff is supportive or encourages effective teaching.					

Part-D: (Personal information)

29. Gender: Male Female

30. Age:

Year	Month	Day

31. Your last academic qualification:

- S.S.C H.S.C
 B. A. /B. Sc./B.Com. M. A./M. Sc./M.Com.
 Other (give details).....

32. Teaching experience: years

33. Your job rank at the moment: Assistant teacher
 Senior teacher
 Junior teacher

34. Monthly salary:

Income range	(√)
≥ 5,000	
5,001-10,000	
10,001-15,000	
15,001- 20,000	
20,001≥	

35. Do you have any training in Education/Pedagogy (tick which applies)?

- M. Ed. B.Ed./Dip.in.Ed./B. Ed. (Hons.)
 C. in. Ed. None

36. Have you attended in any in-service training to increase your skill?

- Yes No

37. How many pupils are in your class?

Boys	Girls	Total

Thank you very much for your kind co-operation

_____ x _____

a. Police Station:

b. Name of the School:

Head Teacher's Questionnaire

Dear Head-teacher,

I am a Ph.D. student in the School of Education in Nottingham University in England. I would like to ask you to spare some time to fill out this questionnaire. This questionnaire does not relate to any evaluation of your superiors or other people. Some of the questions are about you and others are related to your school. This questionnaire is confidential, as the result will be anonymous and its completion depends on your own free will. The information provided by you will be extremely useful for my research.

- Write your answer to the following questions in the space provided.
- Tick (✓) the appropriate answer which you choose as the best choice.

If any question is not clear to you, please ask the researcher about it. Please answer each question clearly, honestly and according to your opinion without omitting any. Thank you very much for your kind co-operation.

Personal and school information

1. Type of school: State Private

2. Gender: Male Female

3. Age:

Year	Month	Day

4. Your last academic qualification:

- S.S.C H.S.C
- B. A. /B. Sc./B.Com. M.A./M.Sc./M.Com.
- Other (give details)

5. Teaching experience: years

6. How long have you been a head teacher?-----years

7. Do you have any training in education/pedagogy (tick which apply)?

- M.Ed. B.Ed./Dip.in Ed./ B.Ed (Hons.)
- C. in Ed. None

8. How many teachers are in this school?

Female	Male	Total

9. How many pupils are in this school?

Boys	Girls	Total

10. What is the teacher-student ratio in your school?

11. Do you have laboratory facilities in your school with adequate arrangement of lab-equipment and lab-work facilities?

- No laboratory Yes but not good

Yes with modern equipment and lab-work facilities

12. How often does your school arrange teacher-parent (P.T.A.) meeting?

- Once a month Once or twice in six months
 Once or twice a year Never arrange any meeting

13. Total number of books in your school library

14. Number of trained teachers in your school:

Trained teachers	Total teachers

Thank you very much for your kind co-operation

_____ x _____